JVC

KW-V230BT
KW-V230BTM
KW-V330BT
KW-V330BTM
KW-V430BT
KW-V430BTM
KW-V630BT
KW-V630BTM

MONITOR WITH DVD RECEIVER

INSTRUCTION MANUAL

JVCKENWOOD Corporation

This instruction manual is used to describe models listed below. Model availability and features (functions) may differ depending on the country and sales area.

- Region 2 (DVD Region Code 2 area)
- Region 3 (DVD Region Code 3 area)
- Region 4 (DVD Region Code 4 area)

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B5A-1568-10a (M/M2/X)

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How to read this manual:

- Illustrations of KW-V230BT Region 3 are mainly used for explanation. The displays and panels shown in this manual are examples used to provide clear explanations of the operations. For this reason, they may be different from the actual displays or panels.
- This manual mainly explains operations using the buttons on the monitor panel and touch panel. For operations using the remote controller (RM-RK258: supplied only for KW-V230BT Region 3/KW-V230BTM/KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM/KW-V630BT/KW-V630BTM), see page 65.
- **< >** indicates the various screens/menus/operations/settings that appear on the touch panel.
- **[ ]** indicates the buttons on the touch panel.
- **Indication language:** English indications are used for the purpose of explanation. You can select the indication language from the **<Settings>** menu. (Page 64)
- Updated information (the latest Instruction Manual, system updates, new functions, etc.) is available from <http://www.jvc.net/cs/car/>.

BEFORE USE

IMPORTANT

To ensure proper use, please read through this manual before using this product. It is especially important that you read and observe WARNINGS and CAUTIONS in this manual. Please keep the manual in a safe and accessible place for future reference.

⚠ WARNINGS: (To prevent accidents and damage)

- DO NOT install any unit or wire any cable in a location where;
  - it may obstruct the steering wheel and gearshift lever operations.
  - it may obstruct the operation of safety devices such as air bags.
  - it may obstruct visibility.
- DO NOT operate the unit while driving. If you need to operate the unit while driving, be sure to look around carefully.
- The driver must not watch the monitor while driving.

The marking of products using lasers

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

BEFORE USE

For KW-V230BTM/KW-V330BTM/KW-V430BTM/ KW-V630BTM

CE

Declaration of Conformity with regard to the RE Directive 2014/53/EU
Declaration of Conformity with regard to the RoHS Directive 2011/65/EU
Manufacturer:
JVC KENWOOD Corporation
3-12, Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, Japan
EU Representative:
JVC Technical Services Europe GmbH
Konrad-Adenauer-Allee 1-11, D-61118 Bad Vilbel, Germany

English
Hereby, JVCKENWOOD declares that the radio equipment "KW-V230BTM/KW-V330BTM/ KW-V430BTM/KW-V630BTM" is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
http://www.jvc.net/cs/car/eudoc/

Türkçe
Burada, JVCKENWOOD "KW-V230BTM/KW-V330BTM/ KW-V430BTM/KW-V630BTM" radyo ekipmanının 2014/53/AB Direktifine uygun olduğunu bildirir.
AB uyumluluk deklarasyonunun tam metni aşağıdaki internet adresinde mevcuttur.
http://www.jvc.net/cs/car/eudoc/

For Turkey
Bu ürün 28300 sayılı Resmi Gazete'de yayımlanan Atik Elektrikli ve Elektronik Eşyalarin Kontrolü Yönetmeliğe uygun olarak üretilmiştir.

Eski Elektrik ve Elektronik Ekipmanların İmha Edilmesi Hakkında Bilgi (ayrı atık toplama sistemlerini kullanan ülkeleri için uygulanabilir)

Sembollü (üzerinde çarpı işareti olan çöp kutusu) ürünler ev atıkları olarak atılamaz. Eski elektrik ve elektronik ekipmanlar, bu ürünleri ve ürün atıklarını geri dönüştürebilecek bir tesiste değerlendirilmelidir. Yaşadığınız bölgeye en yakın geri dönüşüm tesisinin yerini öğrenmek için yerel makamlara müracaat edin. Uygun geri dönüşüm ve atık imha yöntemi sağlığımız ve çevremiz üzerindeki zararlı etkileri önlerken kaynakların korunmasına da yardımcı olacaktır.

⚠ **Cautions on the monitor:**
- The monitor built into this unit has been produced with high precision, but it may have some ineffective dots. This is inevitable and is not considered defective.
- Do not expose the monitor to direct sunlight.
- Do not operate the touch panel using a ball-point pen or similar tool with a sharp tip.
  Touch the buttons on the touch panel with your finger directly (if you are wearing a glove, take it off).
- When the temperature is very cold or very hot...
  – Chemical changes occur inside, causing malfunction.
  – Pictures may not appear clearly or may move slowly. Pictures may not be synchronized with the sound or picture quality may decline in such environments.

For safety...
- Do not raise the volume level too much, as this will make driving dangerous by blocking outside sounds, and may cause hearing loss.
- Stop the car before performing any complicated operations.

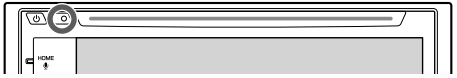
Temperature inside the car...
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

❑ How to reset your unit

If the unit fails to operate properly, press the reset button.

KW-V230BT/KW-V230BTM

KW-V330BT/KW-V330BTM



KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

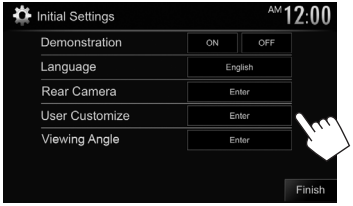
INITIAL SETTINGS

Initial setup

When you power on the unit for the first time or reset the unit, the initial setting screen appears.

- You can also change the settings on the **<Settings>** screen. (Page 62)

1 Perform the initial settings.



<Demonstration> (Page 63)	Activate or deactivate the display demonstration.
<Language> (Page 64)	Select the text language used for on-screen information. • Set **<GUI Language>** to display the operation buttons and menu items in the selected language (**[Local]**) or English (**[English]**).
<Rear Camera> (Page 38)	Configure the settings to display the picture from the connected rear view camera.
<User Customize> (Page 57)	Change the display design.
<Viewing Angle> (Page 63)	Select the viewing angle in relation to the monitor panel to make the panel easier to see.

2 Finish the procedure.

The Home screen is displayed.

Clock settings

1 Display the Home screen.
On the monitor panel:

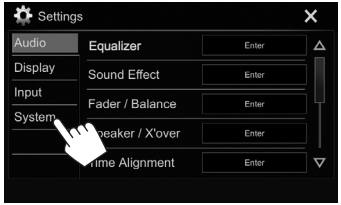
KW-V230BT **KW-V230BTM** **KW-V330BT/ KW-V330BTM**

KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM

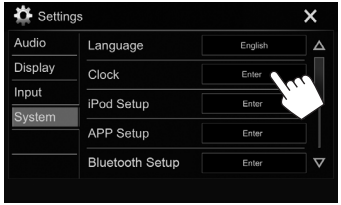
2 Display the **<Settings>** screen.

KW-V230BT/ KW-V230BTM **KW-V330BT/ KW-V330BTM** **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**

3 Display the **<System>** setting screen.

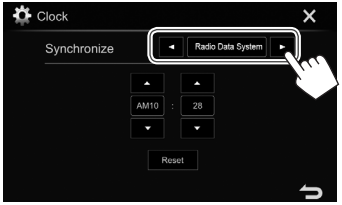


4 Display the **<Clock>** screen.



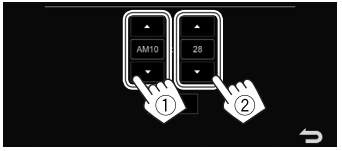
- You can also display the **<Clock>** setting screen by touching the clock area on the Home screen.

5 Set the clock time.

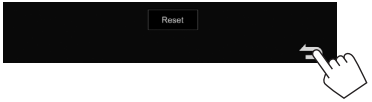


<Radio Data System>	Synchronizes the clock time with FM Radio Data System.
<OFF>	Sets the clock manually. (See below.)

When selecting **<OFF>**:
Adjust the hour (①), then adjust the minute (②).
• Press **[Reset]** to set the minute to "00".



6 Finish the procedure.

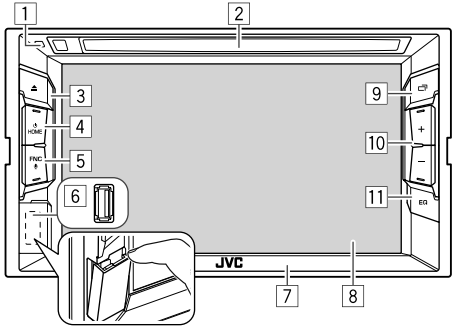


BASICS

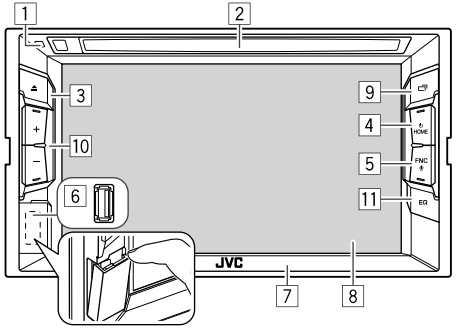
Component names and functions

⚠ Caution on the volume setting:
Digital devices produce very little noise compared with other sources. Lower the volume before playing these digital sources to avoid damaging the speakers by sudden increase of the output level.

KW-V230BT



KW-V230BTM



1 Reset button
Resets the unit. (Page 3)
2 Loading slot
3 ⏏ (Eject) button
Ejects the disc. (Press) (Page 13)
4 HOME/⏻ button
- Displays the Home screen. (Press) (Page 9)
- Turns on the power. (Press) (Page 6)
- Turns off the power. (Hold) (Page 6)

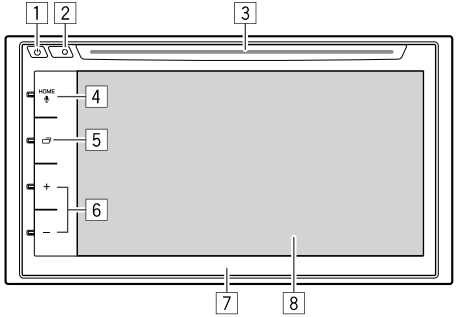
5 FNC/🎤 button
- Pops up the short-cut menu. (Press) (Page 12)
- Activates the voice dialing. (Hold) (Page 49)

6 USB input terminal (Page 72)
7 Monitor panel
8 Screen (touch panel)
9 ⧉ button
- Switches the screen. (Press)
  – The screen switched to depends on the **<Input>** setting in **<Navigation Input>** (for KW-V230BT Region 3/KW-V230BTM) (Page 42) or **<Navigation Input>** setting (for KW-V230BT Region 4) (Page 63).
- Turns off the screen. (Hold) (Page 7)
- Turns on the screen. (Hold) (Page 7)

10 Volume +/– button
Adjusts the audio volume. (Page 7)
11 EQ button
Displays the **<Equalizer>** screen. (Page 53)

Continued on the next page...

KW-V330BT/KW-V330BTM



1 ⏻ button
- Turns on the power. (Press) (See the far right column.)
- Turns off the power. (Hold) (See the far right column.)
- Pops up the short-cut menu. (Press) (Page 12)

2 Reset button
Resets the unit. (Page 3)

3 Loading slot

4 HOME/🎤 button
- Displays the Home screen. (Press) (Page 9)
- Activates the voice dialing. (Hold) (Page 49)

5 ⏍ button
- Switches the screen. (Press)
  – The screen switched to depends on the **<Input>** setting in **<Navigation Input>** (for KW-V330BT Region 3/KW-V330BTM) (Page 42) or **<Navigation Input>** setting (for KW-V330BT Region 4) (Page 63).
- Turns off the screen. (Hold) (Page 7)
- Turns on the screen. (Hold) (Page 7)

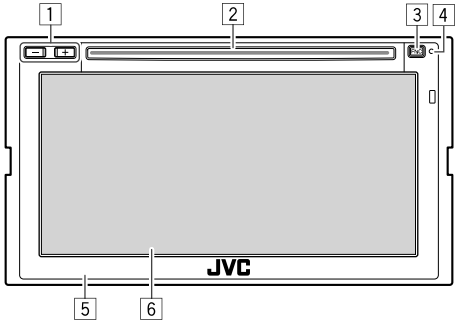
6 Volume +/– button
Adjusts the audio volume. (Page 7)

7 Monitor panel*

8 Screen (touch panel)

* You can change the color of the buttons on the monitor panel. (Page 57)

KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM



1 Volume +/– button
Adjusts the audio volume. (Page 7)

2 Loading slot

3 FNC button
- Turns on the power. (Press) (See the right column.)
- Pops up the short-cut menu. (Press) (Page 12)
- Activates the voice dialing. (Hold) (Page 49)

4 Reset button
Resets the unit. (Page 3)

5 Monitor panel

6 Screen (touch panel)

Common operations

❑ Turning on the power

KW-V230BT

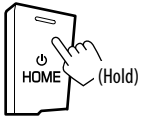
KW-V230BTM

KW-V330BT/ KW-V330BTM

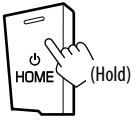
KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

❑ Turning off the power

KW-V230BT



KW-V230BTM



KW-V330BT/ KW-V330BTM

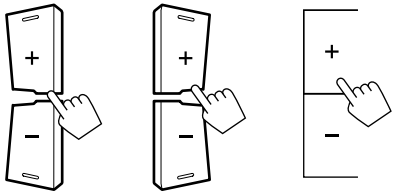
KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM

On the Home screen:

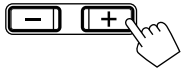
❑ Adjusting the volume

To adjust the volume (00 to 35)

KW-V230BT **KW-V230BTM** **KW-V330BT/ KW-V330BTM**



KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM



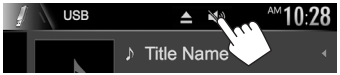
Press + to increase, and press – to decrease.

- Holding + increases the volume continuously to level 15.

To attenuate the sound (only for KW-V330BT/ KW-V330BTM/KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM)

KW-V330BT/KW-V330BTM

KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM



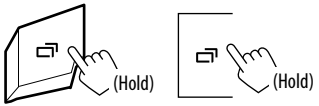
The **[ ]** button becomes blue.

To cancel the attenuation: Press the same button again. (The **[ ]** button becomes white.)

❑ Turning off the screen

On the monitor panel (only for KW-V230BT/ KW-V230BTM/KW-V330BT/KW-V330BTM):

KW-V230BT **KW-V330BT**
KW-V230BTM **KW-V330BTM**



On the pop-up short-cut menu (Page 12) (only for KW-V230BT/KW-V230BTM/KW-V430BT/ KW-V430BTM/KW-V630BT/KW-V630BTM):

For KW-V230BT/KW-V230BTM:
Display the pop-up short-cut menu by pressing FNC on the monitor panel, then select **[Display OFF]**.

For KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM:
Display the pop-up short-cut menu by pressing FNC on the monitor panel, then press and hold **[ ]**.

To turn on the screen: Press and hold the same button, or touch the display.

❑ Turning on/off the AV source

You can activate the AV function by selecting a source on the Home screen.

KW-V230BT/KW-V230BTM

KW-V330BT/KW-V330BTM

KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

Continued on the next page...

To select a source not displayed on the Home screen:

For KW-V230BT/KW-V230BTM: Press **[All]**. (Page 10)

For KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: Press [▦]. (Page 10)

To turn off the AV source:

KW-V230BT/ KW-V230BTM

KW-V330BT/ KW-V330BTM

KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM/

Common screen operations

❑ Common screen descriptions

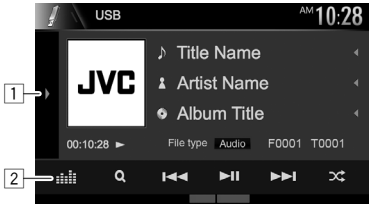
You can display other screens any time to change the source, show the information, or change the settings, etc.

Source control screen

Performs source playback operations.

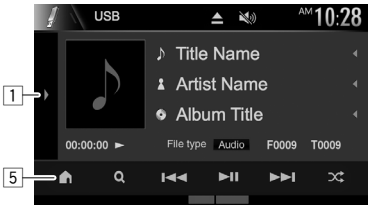
- The operation buttons and information displayed vary depending on the selected source.

KW-V230BT/KW-V230BTM



KW-V330BT/KW-V330BTM

KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM



Common operating buttons:

1 Displays the other operation button window.*

2 Only for KW-V230BT/KW-V230BTM: Displays the **<Equalizer>** screen. (Page 53)

3 Only for KW-V330BT/KW-V330BTM: Pops up the short-cut menu. (Page 12)

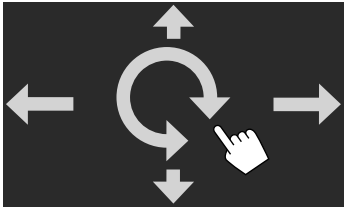
4 Only for KW-V330BT/KW-V330BTM: Changes the playback source. (Page 11)
- The source buttons shown on the Home screen are displayed. (Page 9)

5 Only for KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM: Displays the Home screen. (Page 9)

* Does not appear when there are no other operation buttons other than those currently shown on the source control screen.

Gesture control on the source control screen:
You can also control playback by moving your finger on the touch panel as follows (for some sources, the gesture control is not available).

- **Sliding the finger towards up/down:** Functions same as pressing [ ] [ ]/[ ] [ ]*.
- **Sliding the finger towards left/right:** Functions same as pressing [I◄◄]/[►►I].
- **Moving your finger clockwise or counter-clockwise:** Increases/decreases the volume.



* The appearance of the buttons differs depending on the model.

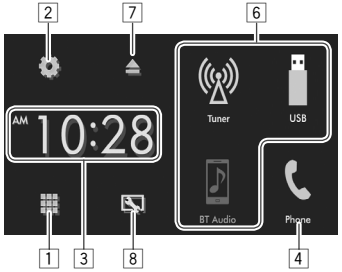
Home screen
Displays the source control screen and settings screen.

- To display the Home screen, press HOME on the monitor panel.
- You can arrange the items to display on the Home screen. (Page 59)

KW-V230BT/KW-V230BTM

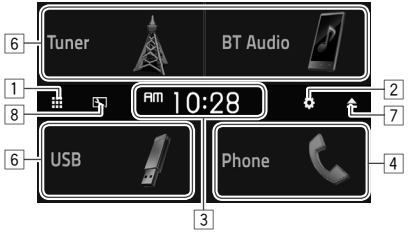
KW-V330BT/KW-V330BTM

- You can change Home screen design (icons and layout) on the **<User Customize>** screen. (Page 57)



KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM

- You can change the icon design on the **<User Customize>** screen. (Page 58)

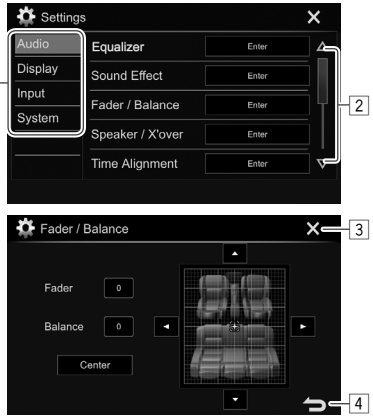


Common operating buttons:

1 Displays all playback sources and items. (Page 10)
2 Displays the **<Settings>** screen. (Page 10)
3 Displays the **<Clock>** setting screen. (Page 4)
4 Displays the phone control screen. (Page 47)
5 Only for KW-V230BT/KW-V230BTM: Displays the source currently played back.
6 Changes the playback source. (Page 11)
7 Only for KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: Ejects the disc. (Press) (Page 13)
8 Only for KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: Displays the **<User Customize>** screen. (Page 57)

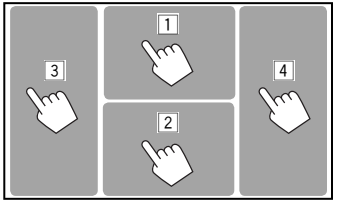
Continued on the next page...

<Settings> screen
Changes the detailed settings. (Page 62)

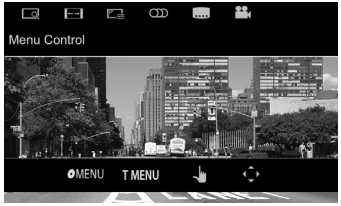


Common operating buttons:
1 Selects the menu category.
2 Changes the page.
3 Closes the current setting screen and returns to the current source control screen.
4 Returns to the previous screen.

❑Touch screen operations



1 Displays the video control menu while playing a video.*1



2 Displays the source control screen while playing a video.

- The operation buttons disappear when the screen is touched or when no operation is done for about 5 seconds.

3 Goes to the previous chapter/track.*2
4 Goes to the next chapter/track.*2

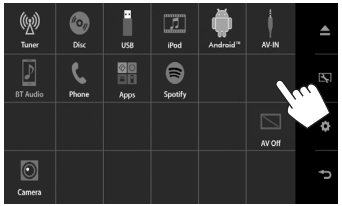
*1 Only picture adjustment ([ ]) is available for the video control menu when **"HDMI"** is selected as the source. The video control menu is also not available for some devices connecting to the HDMI/MHL input terminal with **"Apps"** selected.
*2 Not available for video from an external component.

Selecting the playback source

1 Display all playback sources and items.
On the Home screen:
KW-V230BT/ KW-V230BTM **KW-V330BT/ KW-V330BTM** **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**

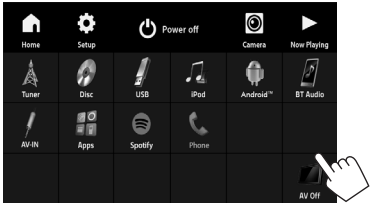
2 **KW-V230BT/KW-V230BTM**

KW-V330BT/KW-V330BTM
- You can change the icon design on the **<User Customize>** screen. (Page 57)



KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

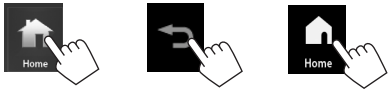
- You can change the icon design on the **<User Customize>** screen. (Page 57)



[Tuner]	Switches to the radio broadcast. (Page 33)
[Disc]	Plays a disc. (Page 13)
[USB]	Plays files on a USB device. (Page 18)
[iPod]	Plays an iPod/iPhone. (Page 22)
[Android™]	Plays an Android device. (Page 20)
[BT Audio]	Plays a Bluetooth audio player. (Page 49)
[AV-IN]*1	Switches to an external component connected to the iPod/AV-IN input terminal. (Page 40)
[Apps]	Switches to the App screen from the connected iPod touch/iPhone/ Android device. (Page 26)
[Spotify]	Switches to the Spotify application. (Page 30)
[HDMI]*2	Plays a device connected to the HDMI/MHL input terminal. (Page 41)
[PANDORA]*3	Switches to the Pandora broadcast. (Page 28)
[Phone]*4	Displays the phone control screen. (Page 47)
[AV Off]	Turns off the AV source. (Page 7)
[Camera]	Switches to a camera connected to the rear view camera input. (Page 38)
[Now Playing]*5	Displays the source currently played back.
[Setup]*6	Displays the **<Settings>** screen. (Page 10)
[Power off]*6	Turns off the power. (Page 6)

To return to the Home screen

KW-V230BT/ KW-V230BTM | **KW-V330BT/ KW-V330BTM** | **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**



*1 Selectable only when connection method other than **[USB + AV-IN]** is selected for **<iPod Setup>**. (Page 23)
*2 Only for KW-V630BT/KW-V630BTM.
*3 Only for KW-V230BT Region 4/KW-V330BT Region 4/KW-V430BT Region 4.
*4 Only for KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM.
*5 Only for KW-V230BT/KW-V230BTM/KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM.
*6 Only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM.

❑ Selecting the playback source on the Home screen

- You can arrange the items to display on the Home screen. (Page 59)

KW-V230BT/KW-V230BTM

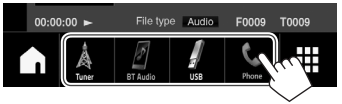
KW-V330BT/KW-V330BTM

- You can also select the playback source on the source control screen.

Continued on the next page...

KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

- You can also select the playback source on the pop-up short-cut menu. (See the far right column.)

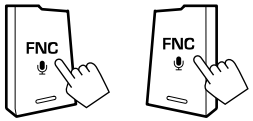


Using the pop-up short-cut menu

While displaying the source control screen, you can jump to another screen from the pop-up short-cut menu.

1 Display the pop-up short-cut menu.

KW-V230BT **KW-V230BTM**



KW-V330BT/ KW-V330BTM **KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM**

- Only for KW-V330BT/KW-V330BTM: You can also display the pop-up short-cut menu by pressing **[FNC]** on the source control screen.

2 Select an item to jump to.

KW-V230BT/KW-V230BTM

[Phone]	Displays the phone control screen. (Page 47)
[Screen Adjustment]	Displays the picture adjustment screen. (Page 56)
[Display OFF]	Turns off the screen. (Page 7)
[Camera]	Displays the picture from the rear view camera. (Page 38)
[SETUP]	Displays the **<Settings>** screen. (Page 62)
[Current Source]	Displays the current source control screen.

KW-V330BT/KW-V330BTM

[ ]	Displays the phone control screen. (Page 47)
[ ]	Activates the voice dialing. (Page 49)
[ ]	Displays the **<Equalizer>** screen. (Page 53)
[ ]	Displays the picture adjustment screen. (Page 56)
[ ]	Displays the **<User Customize>** screen. (Page 57)

KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

The playback source buttons/items displayed on the Home screen are displayed on the short-cut pop-up menu. (See the far left column.)

[ ]	• Switches the screen. (Press) – For details, see page 63. • Turns off the screen. (Hold) (Page 7)
[ ]	Displays the phone control screen. (Page 47)
[ ]	Activates the voice dialing. (Page 49)
[ ]	Displays the picture from the rear view camera. (Page 38)
[ ]	Displays the picture adjustment screen. (Page 56)
[ ]	Displays the **<Equalizer>** screen. (Page 53)
[ ]	Displays the Home screen. (Page 9)
[ ]	Displays all playback sources and items. (Page 10)

To close the pop-up menu:

- For KW-V230BT/KW-V230BTM: Touch the screen anywhere other than the pop-up short-cut menu.
- For KW-V330BT/KW-V330BTM: Press **[▼]** or touch the screen anywhere other than the pop-up short-cut menu.
- For KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM: Press FNC on the monitor panel.

DISCS

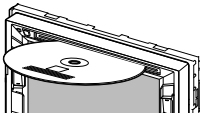
Playing a disc

- If a disc does not have a disc menu, all tracks on it will be played repeatedly until you change the source or eject the disc.
- For playable disc types/file types, see page 76.

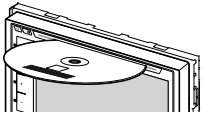
❑ Inserting a disc

Insert a disc with the label side facing up.

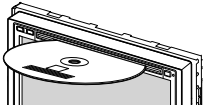
KW-V230BT/ KW-V230BTM



KW-V330BT/ KW-V330BTM



KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM



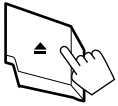
The source changes to **"DISC"** and playback starts.

- The IN indicator lights up while a disc is inserted.

- If "⃠" appears on the screen, the unit cannot accept the operation you have tried to do.
  - In some cases, without showing "⃠," operations will not be accepted.
- When playing back a multi-channel encoded disc, the multi-channel signals are downmixed to stereo.

❑ Ejecting a disc

KW-V230BT/KW-V230BTM



KW-V330BT/KW-V330BTM

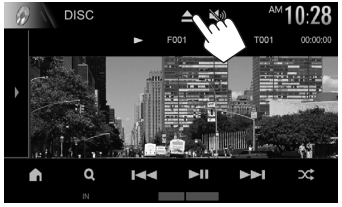
On the Home screen:

On the source control screen:

KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

On the Home screen:

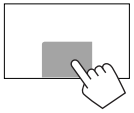
On the source control screen:



- When removing a disc, pull it horizontally.
- You can eject a disc when playing another AV source.
- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust.

Playback operations

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.



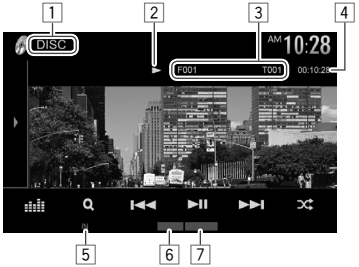
- To change settings for video playback, see page 56.

- The information and available operation buttons on screen differ depending on the type of disc/file being played back.

❑ Playback information on the source control screen

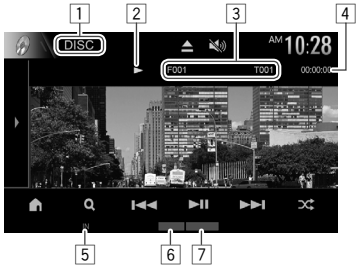
For video playback

KW-V230BT/KW-V230BTM



KW-V330BT/KW-V330BTM

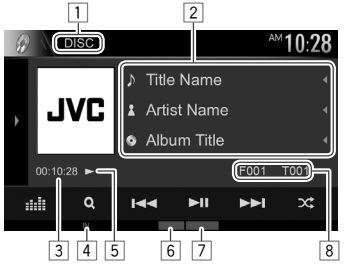
KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM



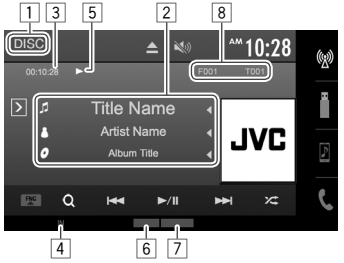
1 Media type
2 Playback status
3 Current playback item information (title no./ chapter no./folder no./file no./track no.)
4 Playing time
5 IN indicator
6 Playback mode (Page 17)
7 File type

For audio playback

KW-V230BT/KW-V230BTM



KW-V330BT/KW-V330BTM



KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

1 Media type
2 Track/file information
   • Pressing **[◀]** scrolls the text if not all of the text is shown.
3 Playing time
4 IN indicator
5 Playback status
6 Playback mode (Page 17)
7 File type
8 Current playback item information (folder no./file no./track no.)

❑ Operation buttons on the source control screen

• To display all available operation buttons, press **[▶]**/**[▷]***1. All the other available buttons are shown.
   – To hide the window, press **[◀]**/**[◁]***1.

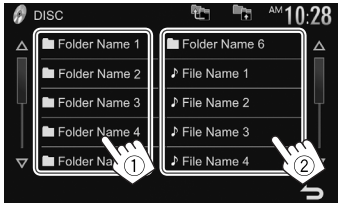
[EQ]*2	Displays the **<Equalizer>** screen. (Page 53)
[FNC ▲]*3	Displays the pop-up short-cut menu. (Page 12) • To close the menu, press **[▼]**.
[⌂]*4	Displays the Home screen.
[🔍]	Displays the folder/track list. (See the right column.)
[I◀◀] [▶▶I]	• Selects a chapter/track. (Press) • Reverse/forward search. (Hold) • Plays in slow-motion during pause for video playback. (Hold)
[▶❚❚]/[▶/❚❚]*1	Starts/pauses playback.
[🔀]/[🔀]*1	Selects Random playback mode. (Page 17)
[▬] [✚]/[▭] [✚]*1	Selects a folder.
[🔁]/[🔁]*1	Selects Repeat playback mode. (Page 17)
[■]	Stops playback.
[MODE]	Changes the settings for disc playback on the **<DISC Mode>** screen. (Page 17)

*1 The appearance of the buttons differs depending on the model.
*2 Appears only for KW-V230BT/KW-V230BTM.
*3 Appears only for KW-V330BT/KW-V330BTM.
*4 Appears only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM.

❑ Selecting a folder/track on the list

1 Display the folder/track list.

2 Select the folder (①), then the item in the selected folder (②).
   • Repeat the procedure until you select the desired track.

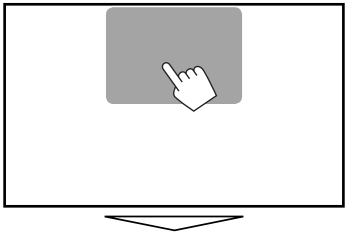


   • You can change the page to display more items by pressing **[△]**/**[▽]**.
   • Press **[🗀]** to return to the root folder.
   • Press **[🗀]** to return to the upper layer.

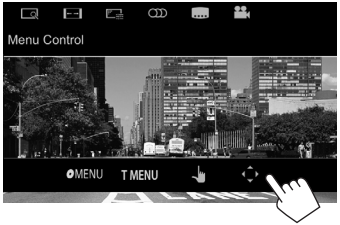
❑ Video menu operations

You can display the video control menu during video playback.

- The operation buttons disappear when the screen is touched or when no operation is done for about 5 seconds.



For video playback except VCD



- Available buttons on the screen and operations differ depending on the type of disc/file being played back.

[MENU]	Displays the disc menu (DVD).
[T MENU]	Displays the disc menu (DVD).
[ ]	Switches to the direct disc menu mode. Touch the target item to select. • To restore the screen, press [ ].
[ ]	Displays the menu/scene selection screen. • **[▲] [▼] [◀] [▶]**: Selects an item. • **[Enter]**: Confirms the selection. • **[Return]**/[ ]*: Returns to the previous screen.
[ ]	Displays the picture size selection screen. (Page 57)
[ ]	Selects the aspect ratio. (Page 56)
[ ]	Displays the picture adjustment screen. (Page 56)
[ ]	Selects the audio type.
[ ]	Selects the subtitle type.
[ ]	Selects the view angle.

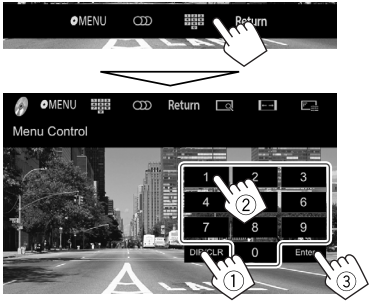
* The appearance of the buttons differs depending on the model.

For VCD

[MENU]	Displays the disc menu.
[ ]	Selects the audio channel (ST: stereo, L: left, R: right).
[ ]	Displays/hides the direct selection buttons. (Page 17)
[Return]	Displays the previous screen or menu.
[ ]	Displays the picture size selection screen. (Page 57)
[ ]	Selects the aspect ratio. (Page 56)
[ ]	Displays the picture adjustment screen. (Page 56)

To select a track directly on a VCD

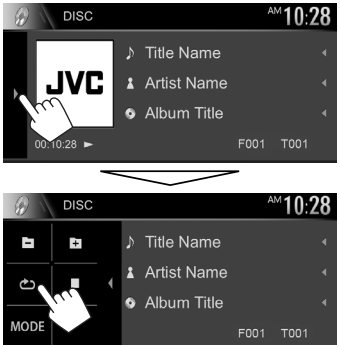
- When playing a VCD with PBC activated, stop playback to deactivate the PBC function, then use the direct selection buttons to select a track number.



- When you enter a wrong number, press **[DIR/CLR]** to delete the last entry.

❑ Selecting playback mode

To select Repeat playback mode



- The locations of the buttons differ depending on the type of disc/file being played back.
  - When [ ]/[ ]* is not displayed, display the other operation button window by pressing [ ]/[ ]*.

To select Random playback mode

- Available playback modes differ depending on the type of disc/file being played back.
- You cannot activate the repeat mode and the random mode at the same time.
- Each time you press the button, the playback mode changes. (The corresponding indicator lights up.)*
  - Available items differ depending on the type of disc/file being played back.

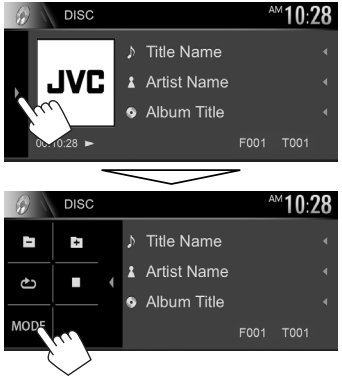
Chapter/ Chapter	Repeats current chapter.
Title/ Title	Repeats current title/program.
/	Repeats current track.
Folder/ Folder	Repeats all tracks of the current folder.
Folder/ Folder	Randomly plays all tracks of the current folder, then tracks of the next folders.
/	Randomly plays all tracks.

To cancel Repeat/Random playback: Press the button repeatedly until the indicator disappears.

* The appearance of the buttons/indicators differs depending on the model.

Settings for disc playback—<DISC Mode>

1



2

- You can change the page to display more items by pressing [ ]/[ ].

- Available items shown on the **<DISC Mode>** screen differ depending on the type of disc/file being played back.

DISCS

❑ Setting items

<Menu Language>	Select the initial disc menu language. (Initial: **English**) (Page 78)
<Subtitle Language>	Select the initial subtitle language or turn subtitles off (**Off**). (Initial: **English**) (Page 78)
<Audio Language>	Select the initial audio language. (Initial: **English**) (Page 78)
<Dynamic Range Control>	You can change the dynamic range while playing using Dolby Digital software. • **Wide**: Select this to enjoy a powerful sound at a low volume level with its full dynamic range. • **Normal**: Select this to reduce the dynamic range a little. • **Dialog** (Initial): Select this to reproduce movie dialog more clearly.
<Down Mix>	When playing back a multi-channel disc, this setting affects the signals reproduced through the front and/or rear speakers. • **Dolby Surround**: Select this to enjoy multi-channel surround sound by connecting an amplifier compatible with Dolby Surround. • **Stereo** (initial): Normally select this.
<Screen Ratio>	Select the monitor type to watch a wide screen picture on the external monitor. **16:9** (Initial) **4:3 LB** **4:3 PS**
<File Type>*	Select the playback file type when a disc contains different types of files. • **Audio**: Plays back audio files. • **Still Image**: Plays back picture files. • **Video**: Plays back video files. • **Audio&Video** (initial): Plays back audio files and video files.

* For playable file types, see page 76.
If the disc contains no files of the selected type, the existing files are played in the following priority: audio, video, then still picture. You can change these settings only while playback is stopped.

USB

Connecting a USB device

You can connect a USB mass storage class device such as a USB memory, Digital Audio Player, etc. to the unit.

- For details about connecting USB devices, see page 72.
- You cannot connect a computer or portable HDD to the USB input terminal.
- You cannot connect a USB device via a USB hub.
- For playable file types and notes on using USB devices, see page 77.

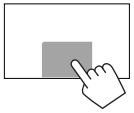
When a USB device is connected...

The source changes to **"USB"** and playback starts.

- All tracks in the USB device will be played repeatedly until you change the source.

Playback operations

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.

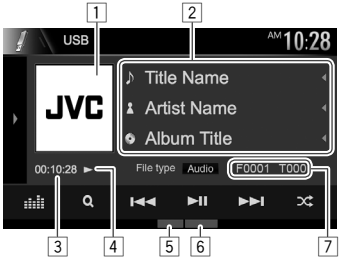


- To change settings for video playback, see page 56.

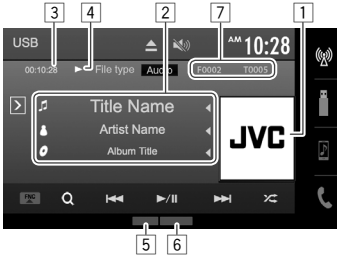
- The information and available operation buttons on screen differ depending on the type of file being played back.

❑ Playback information on the source control screen

KW-V230BT/KW-V230BTM



KW-V330BT/KW-V330BTM



KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

1 Jacket picture (Shown while playing if the file has tag data that includes the jacket picture)
2 Track/file information
   - Pressing **[◀]** scrolls the text if not all of the text is shown.
3 Playing time
4 Playback status
5 Playback mode (See the right column.)
6 File type
7 Current playback item information (folder no./file no.)

❑ Operation buttons on the source control screen

- To display all available operation buttons, press **[▶]**/**[▷]**[*1]. All the other available buttons are shown.
  – To hide the window, press **[◀]**/**[◁]**[*1].

[Audio]/ [Video]/ [Photo] Selects the playback file type.[*2]
- **Audio**: Plays back audio files.
- **Video**: Plays back video files.
- **Photo**: Plays back picture files.

[ıllı][*3] Displays the **<Equalizer>** screen. (Page 53)

[FNC ▲][*4] Displays the pop-up short-cut menu. (Page 12)
- To close the menu, press **[▼]**.

[⌂][*5] Displays the Home screen.

[🔍] Displays the folder/track list. (Page 20)

[⏮] [⏭]
- Selects a track. (Press)
- Reverse/forward search. (Hold)

[▶❚❚]/ [▶/❚❚][*1] Starts/pauses playback.

[🔀]/ [🔀][*1] Selects random playback mode.[*6] [*7]
- **🔀 Folder/🔀 Folder**[*1]: Randomly plays all tracks/files in the folder.
- **🔀/🔀**[*1]: Randomly plays all tracks/files.

[📁−] [📁+]/ [📁] [📁][*1] Selects a folder.

[🔁]/ [🔁][*1] Selects repeat playback mode.[*6] [*7]
- **🔁/🔁**[*1]: Repeats the current track/file.
- **🔁 Folder/🔁 Folder**[*1]: Repeats all tracks/files in the current folder.

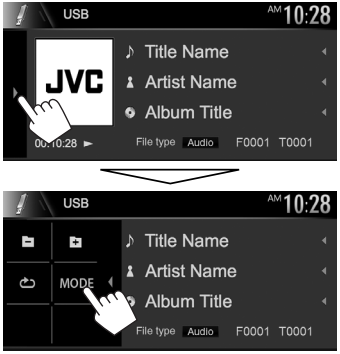
[MODE] Changes the settings for USB playback on the **<USB Mode>** screen. (Page 20)

[*1] The appearance of the buttons/indicators differs depending on the model.
[*2] For playable file types, see page 77.
If the USB contains no files of the selected type, the existing files are played in the following priority: audio, video, then still picture. You can change these settings only while playback is stopped.
[*3] Appears only for KW-V230BT/KW-V230BTM.
[*4] Appears only for KW-V330BT/KW-V330BTM.
[*5] Appears only for KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM.
[*6] To cancel random or repeat mode, press the button repeatedly until the indicator disappears.
[*7] You cannot activate the repeat mode and the random mode at the same time.

USB

❑ Settings for USB playback—<USB Mode>

1



2

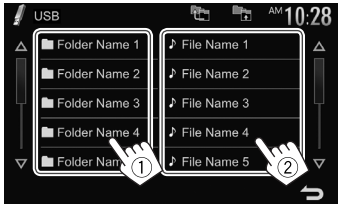
<Screen Ratio>	Select the monitor type to watch a wide screen picture on the external monitor. **16:9** (Initial) **4:3 LB** **4:3 PS**
<Drive Select>	Switches between internal memory and the memory source of the connected device (such as mobile phone). Press **[Next]**.

❑ Selecting a folder/track on the list

1 Display the folder/track list during playback.

2 Select the folder (①), then the item in the selected folder (②).

- Repeat the procedure until you select the desired track.



- You can change the page to display more items by pressing [△]/[▽].
- Press [ ] to return to the root folder.
- Press [ ] to return to the upper layer.

Android

Preparation

❑ Installing JVC Music Play

Install the Android™ application JVC Music Play on your Android device beforehand.

- When a compatible Android device is connected, "Press [VIEW] to install JVC MUSIC PLAY APP" is shown on the Android device. Follow the instructions to install the application. You can also install the latest version of the JVC Music Play application on your Android device before connecting.

About JVC Music Play

- This unit supports the Android™ application JVC Music Play.
- When you use JVC Music Play, you can search for audio files by Genre, Artist, Album, Playlist, and Song.
- JVC Music Play is available on the following web site: <http://www.jvc.net/cs/car/>

❑ Connecting an Android device

Connect an Android device with a cable.

- For details about connecting Android devices, see page 73.

Compatible Android devices

- This unit supports Android OS 4.1 and above.
- Some Android devices (with OS 4.1 and above) may not fully support Android Open Accessory (AOA) 2.0.
- If the Android device supports both mass storage class device and AOA 2.0, this unit always plays back via AOA 2.0 as priority.
- For more information and the latest compatible list, see: <http://www.jvc.net/cs/car/>

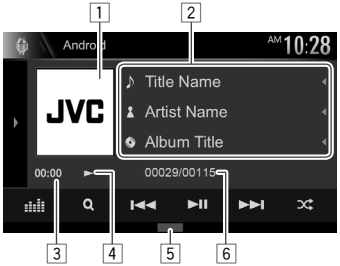
❑ Starting playback

1 Start JVC Music Play on your Android device.
2 Select **"Android™"** as the source. (Page 10)

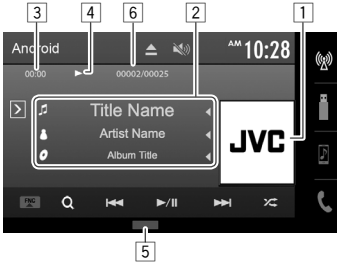
Playback operations

❑ Playback information on the source control screen

KW-V230BT/KW-V230BTM



KW-V330BT/KW-V330BTM



KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

1 Artwork (Shown if the song contains artwork)
2 Track information
  • Pressing **[◀]** scrolls the text if not all of the text is shown.
3 Playing time
4 Playback status
5 Playback mode (See the right column.)
6 Track no./Total track number

❑ Operation buttons on the source control screen

• To display all available operation buttons, press **[⟩]**/**[⟩]**[*1]. All the other available buttons are shown.
  – To hide the window, press **[⟨]**/**[⟨]**[*1].

[▮▮▮▮][*2] Displays the **<Equalizer>** screen. (Page 53)

[FNC ▲][*3] Displays the pop-up short-cut menu. (Page 12)
  • To close the menu, press **[▼]**.

[⌂][*4] Displays the Home screen.

[🔍] Displays the audio menu. (Page 22)

[⏮] • Selects a track. (Press)
[⏭] • Reverse/forward search. (Hold)

[▶❚❚]/ [▶/❚❚][*1] Starts/pauses playback.

[⤮]/ [⤮][*1] Selects random playback mode.[*5]
  • **⤮/⤮**[*1]: Randomly plays all tracks.
  • **⤮ Album/⤮ Album**[*1]: Randomly plays all tracks in the current album.

[↻]/ [↻][*1] Selects repeat playback mode.
  • **↻①/↻①**[*1]: Repeats the current track.
  • **↻ All/↻ All**[*1]: Repeats all tracks.
  • **↻/↻**[*1]: Cancels the repeat mode.

[MODE] Changes the settings for Android playback on the **<Android Mode>** screen. (Page 22)

[*1] The appearance of the buttons/indicators differs depending on the model.
[*2] Appears only for KW-V230BT/KW-V230BTM.
[*3] Appears only for KW-V330BT/KW-V330BTM.
[*4] Appears only for KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM.
[*5] To cancel random mode, press the button repeatedly until the indicator disappears.

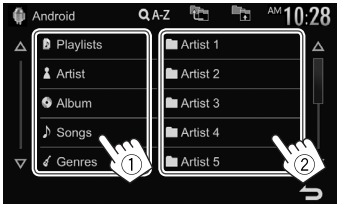
Android

❑ Selecting a track from the menu

1 Display the audio menu.

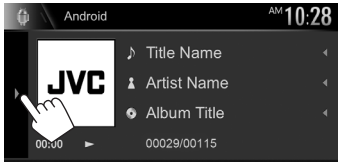
2 Select a category (①), then a desired item (②).

- To list the items in alphabetical order, press **[A-Z]**, then select the first character on the keypad.
  - Alphabet search is not available when the playlist is selected.
- Select an item in each layer until you reach and select the desired file.
- You can change the page to display more items by pressing **[△]**/**[▽]**.
- Press **[ ]** to return to the top layer.
- Press **[ ]** to return to the upper layer.



❑ Settings for playback on the Android device—<Android Mode>

1



2

<Artwork>	Shows/hides artwork of the Android device.
<Android Setup>	• **AUTO MODE**: Controls from the unit (using the JVC Music Play application). • **AUDIO MODE**: Controls other media player applications from the Android device (without using the JVC Music Play application). – You can play/pause or skip files from the unit.

iPod/iPhone

Preparation

❑ Connecting iPod/iPhone

- For details about connecting iPod/iPhone, see page 72.
- For playable iPod/iPhone types, see page 77.

Connect your iPod/iPhone according to your purpose or the type of iPod/iPhone.

Wired connection

- **To listen to music:**
  - For Lightning connector models: Use USB Audio cable for iPod/iPhone—KS-U62 (optional accessory).
  - For 30-pin connector models: Use 30-pin to USB cable (accessory of iPod/iPhone).
- **To watch video and listen to music:**
  - For Lightning connector models connected to KW-V630BT/KW-V630BTM: Use the HDMI cable KS-U60 (optional accessory) and KS-U62 (optional accessory) through a Lightning-Digital AV adapter (accessory of the iPod/iPhone).
  - For Lightning connector models connected to KW-V230BT/KW-V230BTM/KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM: You cannot watch video.
  - For 30-pin connector models: Use USB Audio and Video cable for iPod/iPhone—KS-U59 (optional accessory).

Bluetooth connection

Pair the iPod/iPhone through Bluetooth. (Page 43)

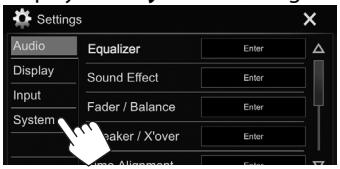
- For Lightning connector models connected to KW-V630BT/KW-V630BTM: To watch video, connect your iPod/iPhone to the HDMI/MHL input terminal using KS-U60 (optional accessory). (Page 72)
- For Lightning connector models connected to KW-V230BT/KW-V230BTM/KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM and 30-pin connector models: You cannot watch video with a Bluetooth connection.

❑ Selecting iPod/iPhone device to play and the connection method

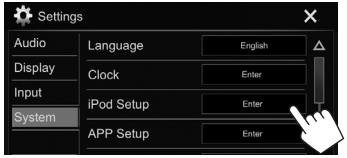
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM	KW-V330BT/ KW-V330BTM	KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

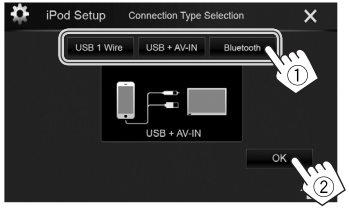
2 Display the **<System>** setting screen.



3



4 Select the connection method (①), then confirm the selection (**[OK]** or **[Next]**) (②).



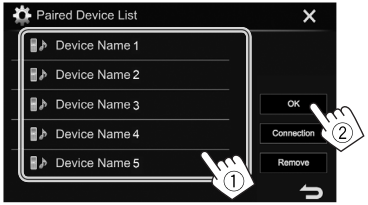
[USB 1 Wire] Select this when the iPod/iPhone is connected using a USB 2.0 cable (accessory of the iPod/iPhone) or KS-U62 (optional accessory).

[USB + AV-IN] Select this when the iPod/iPhone is connected using KS-U59 (optional accessory).

[Bluetooth] Select this when the iPod/iPhone is connected via Bluetooth. (Go to step **5**.)

[HDMI + Bluetooth]* Select this when the iPod/iPhone is connected using HDMI cable KS-U60 (optional accessory) and KS-U62 (optional accessory) through a Lightning-Digital AV adapter (accessory of the iPod/iPhone). (Go to step **5**.)

5 When selecting **[HDMI + Bluetooth]*** or **[Bluetooth]** as the connection method: Select the device (①), then press **[OK]** to connect (②).

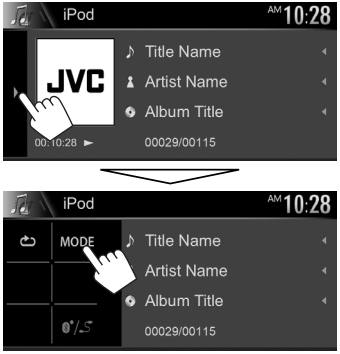


- If the device is already connected, skip step ①.

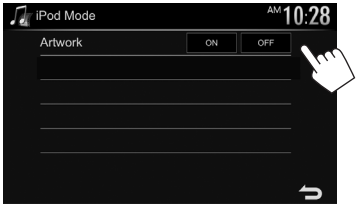
* Appears only for KW-V630BT/KW-V630BTM.

❑ Displaying/hiding artwork of iPod/ iPhone

1



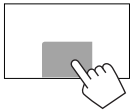
2



[ON] Shows artwork of iPod/iPhone.
[OFF] Hides artwork of iPod/iPhone.

Playback operations

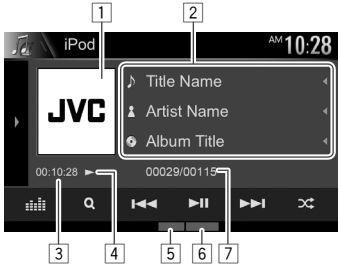
When the operation buttons are not displayed on the screen, touch the area shown on the illustration.



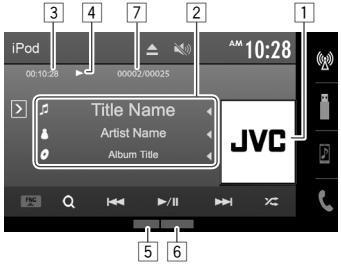
- To change settings for video playback, see page 56.

❑ Playback information on the source control screen

KW-V230BT/KW-V230BTM



KW-V330BT/KW-V330BTM



KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

1 Artwork (Shown if the song contains artwork)
2 Song/video information
- Pressing [◀] scrolls the text if not all of the text is shown.

3 Playing time
4 Playback status
5 Playback mode (Page 25)
6 File type
7 Track no./Total track number

❑ Operation buttons on the source control screen

- To display all available operation buttons, press [▷]/[▷|]*1. All the other available buttons are shown.
  – To hide the window, press [◁]/[|◁]*1.

[▮▮▮▮]*2 Displays the **<Equalizer>** screen. (Page 53)

[FNC ▲]*3 Displays the pop-up short-cut menu. (Page 12)
- To close the menu, press **[▼]**.

[⌂]*4 Displays the Home screen.

[🔍] Displays the audio/video file menu. (See the right column.)

[|◀◀] [▶▶|]
- Selects a track. (Press)
- Reverse/forward search. (Hold)

[▶❚❚]/[▶/❚❚]*1 Starts/pauses playback.

[⤮]/[⤮]*1 Selects random playback mode.*5
- ⤮/⤮*1: Functions the same as Shuffle Songs.
- ⤮ **Album**/⤮ **Album***1: Functions the same as Shuffle Albums.

[↻]/[↻]*1 Selects repeat playback mode.
- ↻①/↻①*1: Functions the same as Repeat One.
- ↻ **All**/↻ **All***1: Functions the same as Repeat All.
- ↻/↻*1: Cancels the repeat mode.

[MODE] Changes the settings for iPod/iPhone playback on the **<iPod Mode>** screen. (Page 24)

[✱/♫] Switches the device on the **<iPod Setup>** screen. (Page 23)

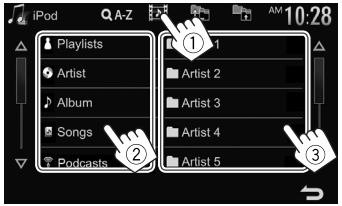
*1 The appearance of the buttons/indicators differs depending on the model.
*2 Appears only for KW-V230BT/KW-V230BTM.
*3 Appears only for KW-V330BT/KW-V330BTM.
*4 Appears only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM.
*5 To cancel random mode, press the button repeatedly until the indicator disappears.

❑ Selecting an audio/video file from the menu

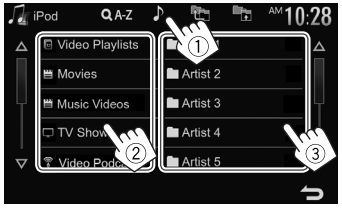
1 Display the audio/video menu.

2 Select the menu (♪: audio or 🎞: video) (①), a category (②), then a desired item (③).
- To list the items in alphabetical order, press **[🔍 A-Z]**, then select the first character on the keypad.
  – Alphabet search is not available when the playlist is selected.
- Select an item in each layer until you reach and select the desired file.
- You can change the page to display more items by pressing **[△]**/**[▽]**.
- Press **[⌂]** to return to the top layer.
- Press **[↰]** to return to the upper layer.

Audio menu:



Video menu:



- Available categories differ depending on the type of your iPod/iPhone.

APPs

Using an App

You can use an App of the connected iPod touch/iPhone/Android on this unit.

- For Apps you can use on this unit, visit <http://www.jvc.net/cs/car/>.

❑ Preparation

1 Connect the iPod touch/iPhone/Android.

- **For Android:** Connect the Android device via Bluetooth. (Page 43)
- **For iPod touch/iPhone:** Connect iPod touch/iPhone with a cable. (Page 72)
  - Be sure to select the appropriate connection method of iPod touch/iPhone on **<APP Setup>**. (Page 52)
  - You cannot watch video when connecting a Lightning connector model.
- Only for KW-V630BT: When you connect iPod touch/iPhone/Android device using KS-U60 (optional accessory), touch panel operation is not available. See page 27 for mirroring the smartphone screen.

2 Select the iPod touch/iPhone/Android device to use on the **<APP Setup>** screen. (Page 52)

When connecting the device for the first time, the setup screen (for connection, etc.) appears. Follow the procedure on the setup screen to configure the settings.

❑ Playback operations

1 Start the App on your iPod touch/iPhone/Android.

2 Select **"Apps"** as the source. (Page 10)

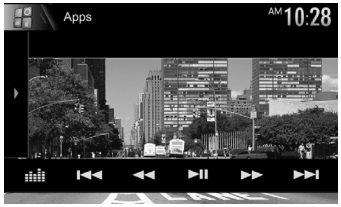
❑ Operation buttons on the source control screen

When the operation buttons are not displayed on the screen, touch the screen to show them.

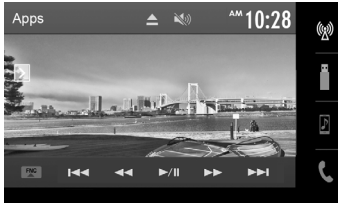
- To change settings for video playback, see page 56.

- To display all available operation buttons, press **[⏴]**/**[⏵]***1. All the other available buttons are shown.
  - To hide the window, press **[⏴]**/**[⏵]***1.

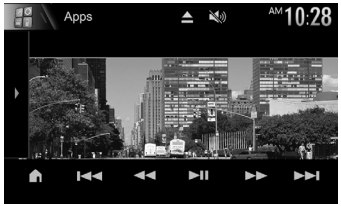
KW-V230BT/KW-V230BTM



KW-V330BT/KW-V330BTM



KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM



[▁▃▅▇]*2	Displays the **<Equalizer>** screen. (Page 53)
[FNC ▲]*3	Displays the pop-up short-cut menu. (Page 12) • To close the menu, press **[▼]**.
[⌂]*4	Displays the Home screen.
[⏮] [⏭]*5	Selects an audio/video file.
[◀◀] [▶▶]*5	Reverse/forward search.
[▶❚❚]/[▶/❚❚]*1 *5	Starts/pauses playback.
[▶]*5	Starts playback.
[❚❚]*5	Pauses playback.
[📱 / 📱]	Switches the device on the **<APP Setup>** screen. (Page 52)

- You can operate some functions of the App on the touch panel.
- You can control playback of the following:
  - Audio playback via iPod touch/iPhone/Android devices
  - Video playback via iPod touch/iPhone

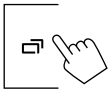
*1 The appearance of the buttons differs depending on the model.
*2 Appears only for KW-V230BT/KW-V230BTM.
*3 Appears only for KW-V330BT/KW-V330BTM.
*4 Appears only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM.
*5 Applicable for iPod touch/iPhone only.

❑ Switching to the Apps screen while listening to another source (when using iPod/iPhone)

- For KW-V230BT Region 3/KW-V230BTM/KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM/KW-V630BT/KW-V630BTM: Select **[iPhone]** for **<Input>** in **<Navigation>** beforehand. (Page 42)
- For KW-V230BT Region 4/KW-V330BT Region 4/KW-V430BT Region 4: Select **[iPhone]** for **<Navigation Input>** beforehand. (Page 63)

KW-V230BT/ KW-V230BTM

KW-V330BT/ KW-V330BTM



KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM

Mirroring the smartphone screen

(Only for KW-V630BT/KW-V630BTM)

You can use an App of the connected iPod touch*/ iPhone*/Android on this unit.

- For Apps you can use on this unit, visit <http://www.jvc.net/cs/car/>.
- For Android devices, you can use more functions with the JVC Smartphone Control application. For details, visit <http://www.jvc.net/cs/car/>.

* Some iPod touch/iPhone 30-pin connector models cannot be used when shipped from the factory. You can use them after updating the software version of this unit.

❑ Preparation

1 Connect the iPod touch/iPhone/Android.
- For wired connection, see page 72 for iPod touch/iPhone or page 73 for Android.
  - – To view video, connect the device to the HDMI/MHL input terminal using KS-U60 (optional accessory).
- For Bluetooth connection, see page 43.

2 Select the iPod touch/iPhone/Android device to use on the **<APP Setup>** screen. (Page 52)

❑ Playback operations

1 Start the App on your iPod touch/iPhone/ Android.

2 Select **"Apps"** as the source. (Page 10)
The App screen is displayed.
- When a caution message is displayed, operate by following the message.

- You can operate some functions of the App on the touch panel.
- For some applications such as navigation applications, the operation buttons and information are not shown. You can perform the operations on the touch panel, such as scrolling the map.
  - – If "⃠" appears on the screen, the unit cannot accept the touch operation you have tried to do.
- You can also play back the audio/video using iPod/iPhone/Android itself instead of the unit.

Pandora® (Only for KW-V230BT Region 4/KW-V330BT Region 4/KW-V430BT Region 4)

You can stream Pandora from iPod touch/iPhone or Android devices.
- Install the latest version of the Pandora application on your iPod touch/iPhone/Android.

Requirements for Pandora®

iPhone or iPod touch
- Install the latest version of the Pandora application on your iPhone or iPod touch. (Search for "Pandora" in the Apple iTunes App Store to find and install the most recent version.)
- Connect iPod touch/iPhone to this unit with KS-U59, KS-U62 (optional accessory) or 30-pin to USB cable (accessory of iPod/iPhone).
- Bluetooth must be built in and the following profiles must be supported.
  – SPP (Serial Port Profile)
  – A2DP (Advanced Audio Distribution Profile)

Android™
- Visit Google play and search for "Pandora" to install.
- Bluetooth must be built in and the following profiles must be supported.
  – SPP (Serial Port Profile)
  – A2DP (Advanced Audio Distribution Profile)

NOTE
- Ensure you are logged in to your smartphone application. If you do not have a Pandora account, you can create one for free from your smartphone or at www.pandora.com.
- Pandora is only available in certain countries. Please visit http://www.pandora.com/legal for more information.
- Because Pandora is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some functions of Pandora cannot be operated from this unit.
- For issues using the application, contact Pandora at pandora-support@pandora.com
- Establish an Internet connection using LTE, 3G, EDGE, or WiFi.

Preparation

1 Connect the device.
- **For Android:** Connect the Android device via Bluetooth. (Page 43)
- **For iPod touch/iPhone:** Connect iPod touch/iPhone with a cable (Page 72) or via Bluetooth (Page 43).
  – Be sure to select the appropriate connection method of iPod touch/iPhone on **<iPod Setup>**. (Page 23)

2 Select the device to use on the **<APP Setup>** screen. (Page 52)

3 Select **"PANDORA"** as the source. (Page 10)
The Pandora application is started.
- If the device selection screen is displayed, select the device to use. (Page 52)

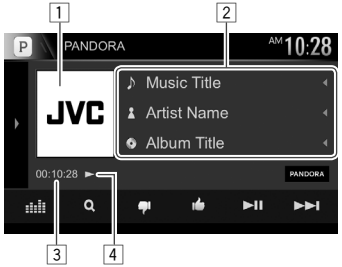
Playback operations

You can operate Pandora using the remote controller*. Only playing, pausing, and skipping are available.

* Purchase RM-RK258 separately.

❑ Playback information on the source control screen

KW-V230BT



KW-V330BT

Pandora®

KW-V430BT

1 Picture data
2 Track information
- Pressing **[◀]** scrolls the text if not all of the text is shown.

3 Playing time
4 Playback status

❑ Operation buttons on the source control screen

- To display all available operation buttons, press **[▶]**/**[▷]***1. All the other available buttons are shown.
  – To hide the window, press **[◀]**/**[◁]***1.

[▮▮▮▮]*2 Displays the **<Equalizer>** screen. (Page 53)

[FNC ▲]*3 Displays the pop-up short-cut menu. (Page 12)
- To close the menu, press **[▼]**.

[⌂]*4 Displays the Home screen.

[🔍] Displays the list selection screen. (See the right column.)

[👎] Thumbs down to the current track and skips to the next track.

[👍] Registers the current track as a favorite.

[▶/❚❚]/[▶❚❚]*1 Starts/pauses playback.

[▶▶|] Skips the current track.
- Not available when the Pandora skip reaches its limit.

[♟+] Adds the current artist to the Station List.

[♫+] Adds the current track to the Station List.

[♫✓] Bookmarks the current track.

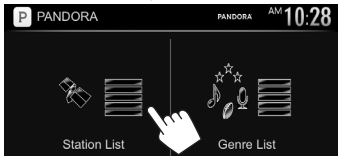
[📱/📱] Switches the device on the **<APP Setup>** screen. (Page 52)

*1 The appearance of the buttons/indicators differs depending on the model.
*2 Appears only for KW-V230BT.
*3 Appears only for KW-V330BT.
*4 Appears only for KW-V430BT.

❑ Selecting a station from the list

1 Display the list selection screen.

2 Select the list type.

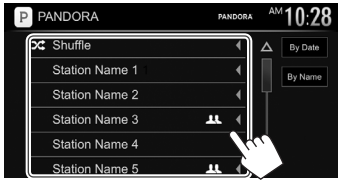


<Station List> Selects from the station names (Station List).

<Genre List> Selects from the genre names (Genre List).

3 Select a station from the list.

On the Station List



[Shuffle] Plays all the songs in the registered stations randomly.

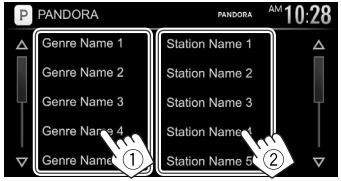
[By Date] Sorts the list in reverse chronological order.

[By Name] Sorts the list in alphabetical order.

- You can change the page to display more items by pressing **[△]**/**[▽]**.
- The 🔀 indicator appears on the left of the item when Shuffle is activated. (All songs in the registered stations are played randomly.)
- The 👥 indicator appears on the right of the item when the station is shared.

On the Genre List

Select a genre (①), then a station (②).



- You can change the page to display more items by pressing **[△]**/**[▽]**.
- The selected station is added to the Station List.

Spotify

With Spotify, your music is everywhere. Working out, partying or relaxing, the right music is always at your fingertips. There are millions of songs on Spotify—from old favorites to the latest hits. Just choose the music you love, or let Spotify surprise you.

You can stream Spotify from connected iPod touch/iPhone or Android devices.
- Install the latest version of the Spotify application on your iPod touch/iPhone/Android and create an account.

Requirements for Spotify

iPhone or iPod touch
- Install the latest version of the Spotify application on your iPhone or iPod touch. (Search for "Spotify" in the Apple iTunes App Store to find and install the most recent version.)
- Connect iPod touch/iPhone to this unit with KS-U59, KS-U62 (optional accessory) or 30-pin to USB cable (accessory of iPod/iPhone).
- Bluetooth must be built in and the following profiles must be supported.
  – SPP (Serial Port Profile)
  – A2DP (Advanced Audio Distribution Profile)

Android™
- Visit Google Play™ and search for "Spotify" to install.
- Bluetooth must be built in and the following profiles must be supported.
  – SPP (Serial Port Profile)
  – A2DP (Advanced Audio Distribution Profile)

NOTE
- Ensure you are logged in to your smartphone application. If you do not have a Spotify account, you can create one for free from your smartphone or at www.spotify.com.
- Because Spotify is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some functions of Spotify cannot be operated from this unit.
- For issues using the application, contact Spotify at www.spotify.com.
- Establish an Internet connection using LTE, 3G, EDGE, or WiFi.

Preparation

1 Connect the device.
- **For Android**: Connect the Android device via Bluetooth. (Page 43)
- **For iPod touch/iPhone:** Connect iPod touch/iPhone with a cable (Page 72) or via Bluetooth (Page 43).
  – Be sure to select the appropriate connection method of iPod touch/iPhone on **<iPod Setup>**. (Page 23)

2 Select the device to use on the **<APP Setup>** screen. (Page 52)

3 Select **"Spotify"** as the source. (Page 10)
The Spotify application is started.
- If the device selection screen is displayed, select the device to use. (Page 52)

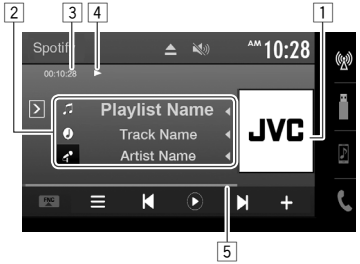
Playback operations

You can operate Spotify using the remote controller*. Only playing, pausing, and skipping are available.

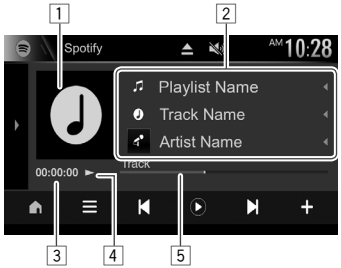
❑ Playback information on the source control screen

KW-V230BT/KW-V230BTM

KW-V330BT/KW-V330BTM



KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM



1 Picture data
2 Track information
   • Pressing **[◀]** scrolls the text if not all of the text is shown.
3 Playing time
4 Playback status
5 Progress bar

* For KW-V230BT Region4/KW-V330BT Region 4/KW-V430BT Region 4: Purchase RM-RK258 separately.

❑ Operation buttons on the source control screen

- To display all available operation buttons, press **[▶]**/**[▷]***1. All the other available buttons are shown.
  – To hide the window, press **[◀]**/**[◁]***1.

[♪]/[⊙] Changes the displayed information each time this button is pressed (♪: artist/⊙: album).

[▮▮▮▮]*2 Displays the **<Equalizer>** screen. (Page 53)

[FNC ▲]*3 Displays the pop-up short-cut menu. (Page 12)
   • To close the menu, press **[▼]**.

[⌂]*4 Displays the Home screen.

[☰] Displays the Spotify menu screen. (Page 32)

[⏮] [⏭] Selects a track.

[▶]*5 Starts playback.

[⏸]*5 Pauses playback.

[+] Saves the current track/artist to **<Your Music>**.

[👎]*6 Thumbs down to the current track and skips to the next track.

[👍]*6 Registers the current track as a favorite.

[⇄] Activates/deactivates the shuffle playback mode.

[↻] Repeats all tracks/cancels the repeat playback.

[↻1]*7 Repeats the current track/cancels the repeat playback.

[((+))] Creates a new station. (Page 32)

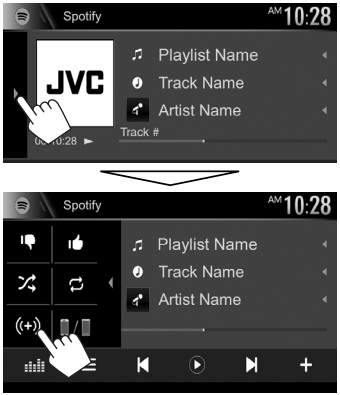
[▯ / ▯] Switches the device on the **<APP Setup>** screen. (Page 52)

*1 The appearance of the buttons differs depending on the model.
*2 Appears only for KW-V230BT/KW-V230BTM.
*3 Appears only for KW-V330BT/KW-V330BTM.
*4 Appears only for KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM.
*5 During playback, **[⏸]** is displayed, and when playback is paused, **[▶]** is displayed.
*6 Not available for tracks in a playlist.
*7 Appears only for premium account users.

Spotify

❑ Creating your station (Start Radio)

1



2 Enter a track/artist/playlist in the search box, then select the desired track.
The playback of your station starts with the selected track.

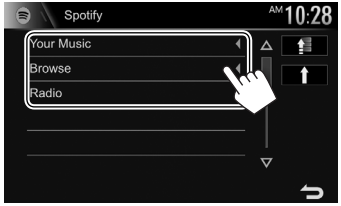
- You can personalize your station using thumb up ([👍]) or thumb down ([👎]).
  – You cannot thumb up or down while playing tracks in a playlist.

❑ Selecting a track

1 Display the Spotify menu screen.

2 Select the list type (**<Your Music>**/**<Browse>**/**<Radio>**), then select a desired item.

- The list types displayed differ depending on the information sent from Spotify.

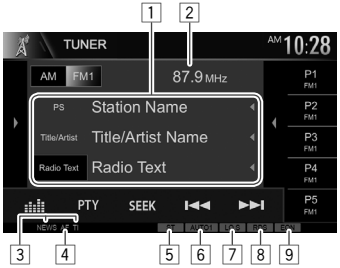


- Press [ ] to return to the top layer.
- Press [ ] to return to the upper layer.

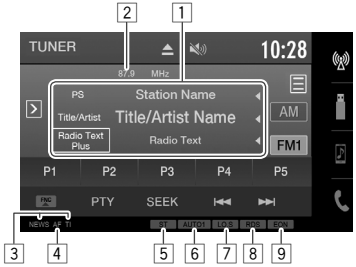
Listening to the radio

❑ Playback information on the source control screen

KW-V230BT/KW-V230BTM



KW-V330BT/KW-V330BTM



KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

1. Text information
   - Pressing **[◀]** scrolls the text if not all of the text is shown.
   - Pressing **[Radio Text]** switches the information between Radio Text, Radio Text Plus, and PTY code.
2. The station frequency currently tuned in
3. Standby reception indicators (NEWS/TI)
4. AF indicator
5. ST/MONO indicator
   - The ST indicator lights up when receiving an FM stereo broadcast with sufficient signal strength.
6. Seek mode indicator
7. LO.S indicator (Page 34)
8. RDS indicator: Lights up when receiving a Radio Data System station.
9. EON indicator: Lights up when a Radio Data System station is sending EON signals.

❑ Operation buttons on the source control screen

- To display all available operation buttons, press **[▶]**/**[▷]***1. All the other available buttons are shown.
  - To hide the window, press **[◀]**/**[◁]***1.

[AM]	Selects the AM band.
[FM]	Selects the FM band. ➝FM1➝FM2➝FM3┐
[◀]/[☰]*1	Displays the preset station window. (Page 35) • To hide the window, press **[▶]**/**[☒]***1.
[P1] – [P5]	• Selects a stored station. (Press) • Stores the current station. (Hold)
[▮▮▮▮]*2	Displays the **<Equalizer>** screen. (Page 53)
[FNC ▲]*3	Displays the pop-up short-cut menu. (Page 12) • To close the menu, press **[▼]**.
[⌂]*4	Displays the Home screen.
[PTY]*5	Enters PTY search mode. (Page 36)
[SEEK]	Changes the seek mode. • **AUTO1**: Auto Search • **AUTO2**: Tunes in stations in the memory one after another. • **MANU**: Manual Search

*1 The appearance of the buttons differs depending on the model.
*2 Appears only for KW-V230BT/KW-V230BTM.
*3 Appears only for KW-V330BT/KW-V330BTM.
*4 Appears only for KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM.
*5 Appears only when FM is selected as the source.

Continued on the next page...

[|◄◄] [►►|] Searches for a station.
- The search method differs according to the selected seek mode. (Page 33)

[SSM ⇕]* Presets stations automatically. (Hold) (See the far right column.)

[MONO]* Activates/deactivates monaural mode for better FM reception. (Stereo effect will be lost.)
- The MONO indicator lights up while monaural mode is activated.

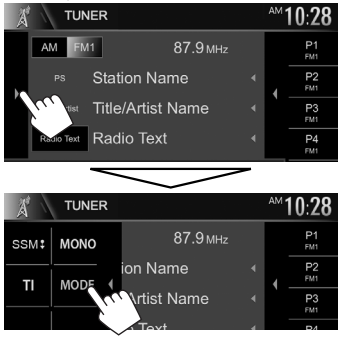
[TI]* Activates/deactivates TI standby reception mode. (Page 36)

[MODE]* Changes the settings for tuner reception on the **<Tuner Mode>** screen. (See the right column and pages 36 – 37.)

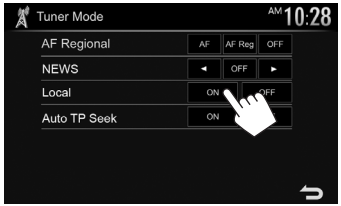
* Appears only when FM is selected as the source.

❑ Tuning in only FM stations with strong signals—Local Seek

1 Display the **<Tuner Mode>** screen.



2



The unit tunes in only to stations with sufficient signal strength. The LO.S indicator lights up.

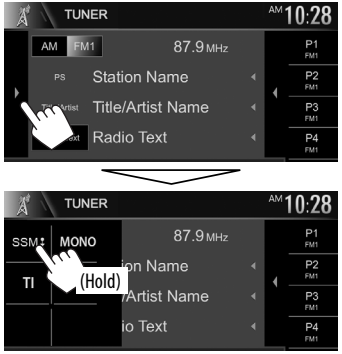
To deactivate Local Seek: Press **[OFF]**.

Presetting stations

❑ Storing stations in the memory

You can preset 5 stations for each band.

Automatic presetting—SSM (Strong-station Sequential Memory) (for FM only)



The local stations with the strongest signals are found and stored automatically.

Manual presetting

1 Tune in to a station you want to preset. (Page 33)

2 Select a preset number.

KW-V230BT/KW-V230BTM/KW-V430BT/ KW-V430BTM/KW-V630BT/KW-V630BTM

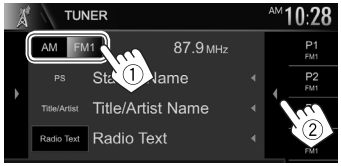
KW-V330BT/KW-V330BTM

The station selected in step **1** is stored.

❑ Selecting a preset station

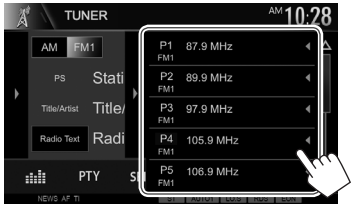
KW-V230BT/KW-V230BTM/KW-V430BT/ KW-V430BTM/KW-V630BT/KW-V630BTM

1 Select the band (①), then display the preset station window (②).



- You can also select a preset station by pressing **[P1]** – **[P5]**.

2 Select a preset station.



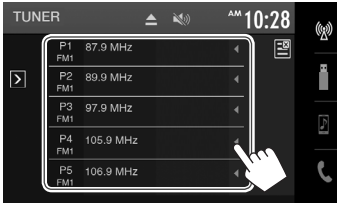
- Pressing **[◀]** scrolls the text if not all of the text is shown.
- To hide the window list, press **[▶]**.

KW-V330BT/KW-V330BTM

1 Select the band (①), then display the preset station window (②).

- You can also select a preset station by pressing **[P1]** – **[P5]**.

2 Select a preset station.



- Pressing **[<]** scrolls the text if not all of the text is shown.
- To close the window list, press **[ ]**.

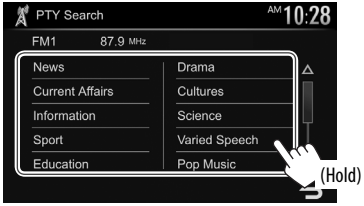
FM Radio Data System features

❑Searching for FM RBDS programs—PTY Search

You can search for your favorite programs being broadcast by selecting the PTY code.

1

2 Select a PTY code.



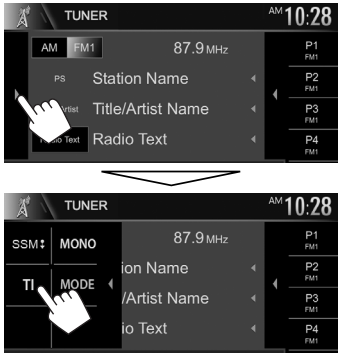
- You can change the page to display more items by pressing [△]/[▽].

PTY Search starts.
If there is a station broadcasting a program of the same PTY code as you have selected, that station is tuned in.

- Only English/Spanish/French/German/Dutch/Portuguese are available for the text language here. If another language has been selected in **<Language>** (Page 64), the text language is set to English.

❑Activating/deactivating TI/News Standby Reception

TI Standby Reception



The unit is in standby to switch to Traffic Information (TI) if available. (The TI indicator lights up in white.)

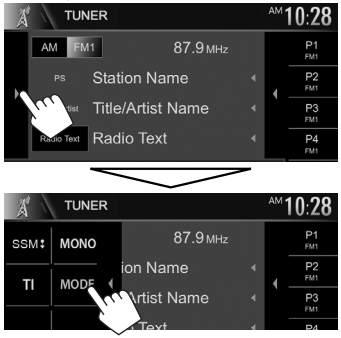
- If the TI indicator is lit in orange, tune into another station providing Radio Data System signals.

To deactivate TI Standby Reception: Press **[TI]**. (The TI indicator turns off.)

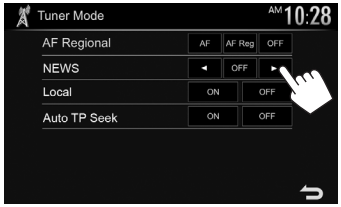
- The volume adjustment for Traffic Information is automatically memorized. The next time the unit switches to Traffic Information, the volume is set to the previous level.

News Standby Reception

1 Display the **<Tuner Mode>** screen.



2



<00min> – **<90min>**	Activate News Standby Reception (the NEWS indicator lights up). Select the period of time to disable interruption.
<OFF>	Deactivate the function.

- The volume adjustment while receiving News is automatically memorized. The next time the unit switches to News, the volume is set to the previous level.

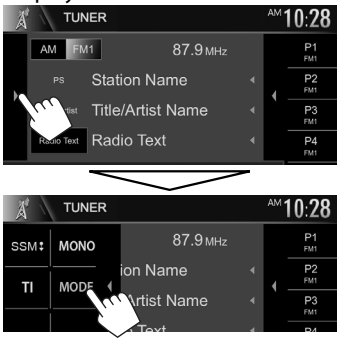
❑ Tracing the same program—Network-Tracking Reception

When driving in an area where FM reception is not sufficient enough, this unit automatically tunes in to another FM Radio Data System station of the same network, possibly broadcasting the same program with stronger signals.

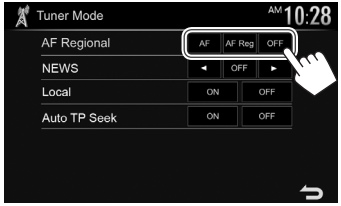
- When shipped from the factory, Network-Tracking Reception is activated.

To change the Network-Tracking Reception setting

1 Display the **<Tuner Mode>** screen.



2



[AF] Switch to another station. The program may differ from the one currently received (the AF indicator lights up).

[AF Reg] Switch to another station broadcasting the same program (the AF indicator lights up).

[OFF] Deactivate the function.

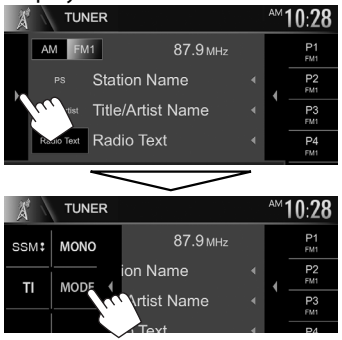
- The RDS indicator lights up when the Network-Tracking Reception is activated and an FM Radio Data System station is found.

❑ Automatic TI station seek—Auto TP Seek

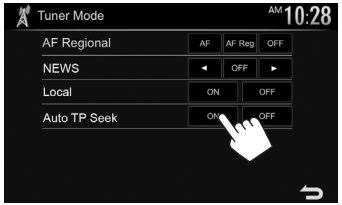
When traffic information station reception is poor, the unit automatically searches for another station that can be received better.

To activate Auto TP Seek

1 Display the **<Tuner Mode>** screen.



2



To deactivate Auto TP Seek: Press **[OFF]**.

OTHER EXTERNAL COMPONENTS

Using the rear view camera

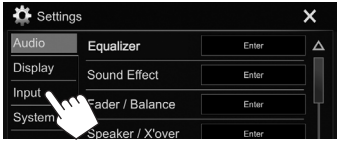
- To connect a rear view camera, see page 73.
- To use a rear view camera, a REVERSE lead connection is required. (Pages 70 – 71)

❑ Settings for the rear view camera

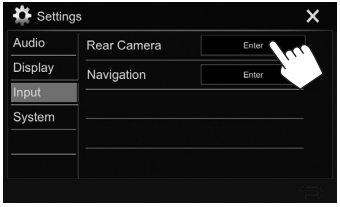
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM	KW-V330BT/ KW-V330BTM	KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

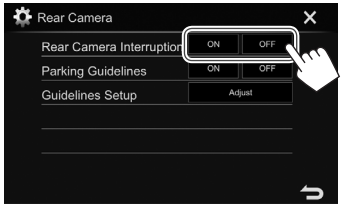
2 Display the **<Input>** setting screen.



3 Display the **<Rear Camera>** screen.



4



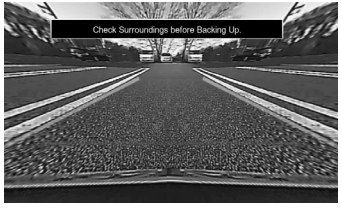
[ON] Displays the picture from the rear view camera when you shift the gear to the reverse (R) position.

[OFF] Select this when no camera is connected

❑ Displaying the rear view camera screen

To display the picture from the rear view camera

The rear view screen is displayed when you shift the gear to the reverse (R) position.



- To remove the caution message, touch the screen.

To display the picture from the rear view camera manually

KW-V230BT/ KW-V230BTM

KW-V330BT/ KW-V330BTM

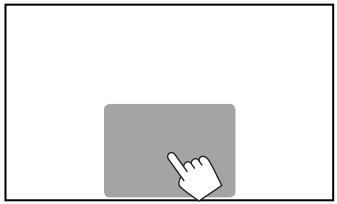
KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM/

- Only for KW-V230BT/KW-V230BTM/KW-V430BT/ KW-V430BTM/KW-V630BT/KW-V630BTM: You can also display the picture from the rear view camera by selecting **[Camera]** (for KW-V230BT/KW-V230BTM)/**[ ]** (for KW-V430BT/ KW-V430BTM/KW-V630BT/KW-V630BTM) on the pop-up short-cut menu (Page 12).

To exit the camera screen

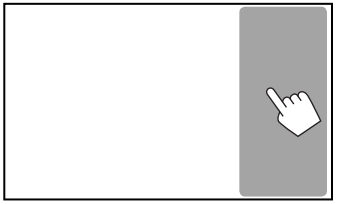
Press HOME on the monitor panel.

- You can also exit the camera screen by touching the area shown below.



To adjust the picture

While the camera screen is displayed...



- The video control menu is displayed. (Page 56)
  To close the picture adjustment menu, touch the same area again.

❑ Using the parking guidelines on the rear view screen

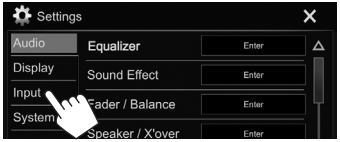
You can display parking guidelines to enable easier parking when you shift the gear to the reverse (R) position.

Displaying the parking guidelines

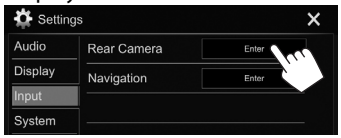
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM	KW-V330BT/ KW-V330BTM	KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

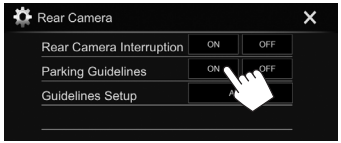
2 Display the **<Input>** setting screen.



3 Display the **<Rear Camera>** screen.

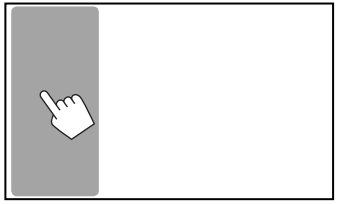


4



To deactivate: Select **[OFF]** for **<Parking Guidelines>**.

- You can also display the parking guidelines by touching the area shown below. To close the parking guidelines, touch the same area again.



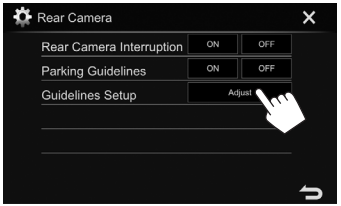
Adjusting the parking guidelines

Adjust the parking guidelines according to the size of the car, parking space and so on.

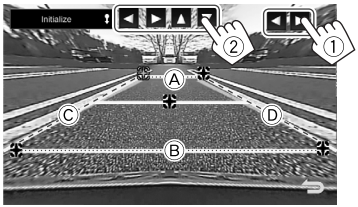
- Install the rear view camera in the appropriate position according to the instructions supplied with the rear view camera.
- When adjusting the parking guidelines, make sure to use the parking brake to prevent the car from moving.

1 Display the **<Rear Camera>** screen. (See the far left column.)

2 Display the parking guidelines adjustment screen.



3 Adjust the parking guidelines by selecting the ✣ mark (①), then adjusting the position of the selected ✣ mark (②).

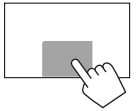


Make sure that Ⓐ and Ⓑ are horizontally parallel, and that Ⓒ and Ⓓ are the same length.

- Press and hold **[Initialize ⇕]** for 2 seconds to set all the ✣ marks to the initial default position.

Using external audio/video players—AV-IN

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.



- To change settings for video playback, see page 56.

❑ Starting playback

Preparation:
"AV-IN" cannot be selected when **<iPod Setup>** is set to **[USB + AV-IN]**. Be sure to select **[USB 1 Wire]** for **<iPod Setup>** beforehand. (Page 23)

1 Connect an external component to the iPod/AV-IN input terminal. (Page 73)

2 Select **"AV-IN"** as the source. (Page 10)

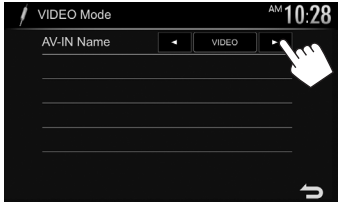
3 Turn on the connected component and start playing the source.

❑ Changing the AV-IN name

You can change the AV-IN name displayed on the **"AV-IN"** source control screen.

1 Display the **<VIDEO Mode>** screen.

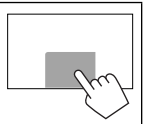
2 Select an AV-IN name.



- This setting does not affect the source name displayed on the Home screen.

Using a smartphone—HDMI (Only for KW-V630BT/KW-V630BTM)

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.



- To change settings for video playback, see page 56.

❑ What is HDMI/MHL?

HDMI stands for High Definition Multi-media Interface. HDMI connections can transfer digital video source signals (such as from a DVD player) without converting them to analog.
A new feature that has been added to HDMI that extends its capabilities further is MHL, or Mobile High-definition Link.
Both interfaces allow your smartphone to connect to the device. When it is connected, you can see your smartphone's screen on the monitor.

About Wireless Display Adapter
This unit is compatible with Wireless Display Adapters. Connecting a Wireless Display Adapter (commercially available) to the HDMI/MHL input terminal (Page 73) enables you to enjoy listening to music, watching videos, or viewing pictures over a wireless connection.

- For details about Wireless Display Adapter settings, etc., refer to the instructions supplied with the Wireless Display Adapter.

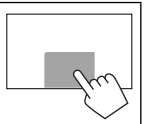
❑ Displaying the screen of the smartphone

You can display the screen of smartphones connected via the HDMI/MHL input terminal.

1. Connect your smartphone to the HDMI/MHL input terminal. (Page 73)
   - Use HDMI cable KS-U60 (optional accessory) or MHL cable KS-U61 (optional accessory).
2. Select **"HDMI"** as the source. (Page 10)
3. Start an application or playback on your smartphone.

Watching a TV (Only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM)

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.



- To change settings for video playback, see page 56.

Preparation

- Connect the TV tuner box to the iPod/AV-IN terminal and the REMO OUT terminal. (Page 73)
- Select **[ON]** for **[TV Tuner Control]**. (Page 63)

❑ Displaying the TV screen

1. Select **"AV-IN"** as the source. (Page 10)
2. Turn on the TV.

- To change the channels, press **[CH ▼]/[CH ▲]**.

Using the external navigation unit

(Only for KW-V230BT Region 3/KW-V230BTM/ KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM/KW-V630BT/ KW-V630BTM)

You can connect a navigation unit (commercially available) to the NAV input terminal so that you can view the navigation screen. (Page 73)

- The navigation guidance comes out of the front speakers even when you are listening to an audio source.

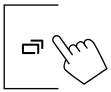
❑ Viewing the navigation screen

Preparation:
Select **[RGB]** for **<Input>** in **<Navigation>** screen. (See the far right column.)

On the monitor panel:

KW-V230BT/ KW-V230BTM

KW-V330BT/ KW-V330BTM



KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM

- While the navigation screen is displayed, the touch panel operations are available only for navigation.
- The aspect ratio of the navigation screen is fixed to **<Full>** regardless of the **<Aspect>** setting (Page 56).

❑ Settings for the navigation unit

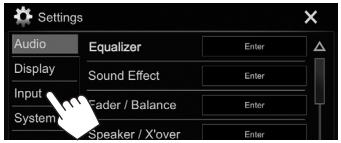
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM

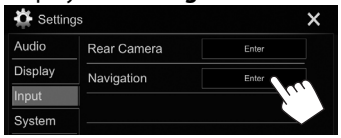
KW-V330BT/ KW-V330BTM

KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

2 Display the **<Input>** setting screen.



3 Display the **<Navigation>** screen.



4

<Input> Select the source screen displayed when ⊐ on the monitor panel (for KW-V230BT/KW-V230BTM/ KW-V330BT/KW-V330BTM) or **[⊐]** on the short-cut menu (for KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM) is pressed.

- **RGB**: Switches to the navigation screen from the connected navigation unit by pressing the button. (See the far left column.)
- **iPhone**: Switches to the screen of App from the connected iPod touch/iPhone by pressing the button. (Page 24)
- **OFF**: Deactivates the display switch function.

<Output> Select which front speakers are used for the navigation guidance.

<Volume> Adjust the volume of the navigation guidance. (0 to 35)

BLUETOOTH

Information for using Bluetooth® devices

Bluetooth is a short-range wireless radio communication technology for mobile devices such as mobile phones, portable PCs, and other devices. Bluetooth devices can be connected without cables and communicate with each other.

Notes

- While driving, do not perform complicated operations such as dialing numbers, using the phone book, etc. When you perform these operations, stop your car in a safe place.
- Some Bluetooth devices may not connect to this unit depending on the Bluetooth version of the device.
- This unit may not work for some Bluetooth devices.
- Connecting conditions may vary depending on your environment.
- For some Bluetooth devices, the device is disconnected when the unit is turned off.

About mobile phones compatible with Phone Book Access Profile (PBAP)

If your mobile phone supports PBAP, you can display the following items on the touch panel screen when the mobile phone is connected.

- Phone book
- Dialed calls, received calls, and missed calls (up to 10 entries in total)

Connecting Bluetooth devices

❑ Registering a new Bluetooth device

When you connect a Bluetooth device to the unit for the first time, pair the unit and the device. Pairing allows Bluetooth devices to communicate with each other.

- The pairing method differs depending on the Bluetooth version of the device.
  - For devices with Bluetooth 2.1: You can pair the device and the unit using SSP (Secure Simple Pairing) which only requires confirmation.
  - For devices with Bluetooth 2.0: You need to enter a PIN code both on the device and unit for pairing.
- Once the connection is established, it is registered in the unit even if you reset the unit. Up to five devices can be registered in total.
- Two devices for Bluetooth phone and one for Bluetooth audio can be connected at a time. However, when **"BT Audio"** is selected as the source, you can connect to five Bluetooth audio devices and switch between these five devices.
- To use the Bluetooth function, you need to turn on the Bluetooth function of the device.
- To use the registered device, you need to connect the device to the unit. (Page 45)

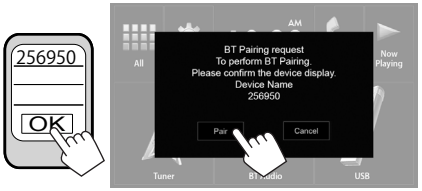
Auto pairing

When **<Auto Pairing>** is set to **[ON]**, iOS devices (such as iPhone) are automatically paired when connected via USB. (Page 51)

Pairing a Bluetooth device using SSP (for Bluetooth 2.1)

When the Bluetooth device is compatible with Bluetooth 2.1, a pairing request is sent from an available device.

1. Search for the unit (**"JVC KW-V"**) from your Bluetooth device.
2. Confirm the request both on the device and the unit.



- Press **[Cancel]** to reject the request.

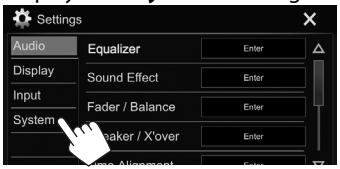
Continued on the next page...

Pairing a Bluetooth device using a PIN code (for Bluetooth 2.0)

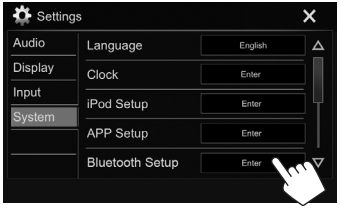
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM **KW-V330BT/ KW-V330BTM** **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**

2 Display the **<System>** setting screen.



3 Display the **<Bluetooth Setup>** screen.



- You can also display the **<Bluetooth Setup>** screen by pressing **[ ]** on the phone control screen. (Page 47)

4 Change the PIN code.
- If you wish to skip changing the PIN code, go to step **3**.
- The PIN code is initially set to "0000".
- The maximum number of digits in the PIN code is 15.

- Press **[Clear]** to delete the last entry.
- Press and hold **[Clear]** to delete the PIN code.

5 Search for the unit (**"JVC KW-V"**) from your Bluetooth device.

6 Select the unit (**"JVC KW-V"**) on your Bluetooth device.
- If a PIN code is required, enter "0000" (initial).

When pairing is complete, the device is listed on the **<Paired Device List>**.

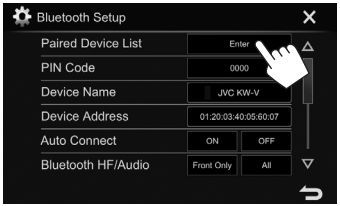
- To use the paired device, connect the device on the **<Paired Device List>** screen. (Page 45)

❑ Connecting/disconnecting a registered Bluetooth device

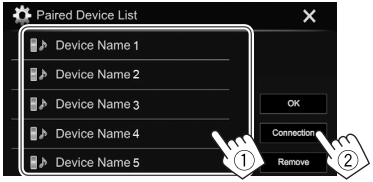
Two devices can be connected simultaneously.

1 Display the **<Bluetooth Setup>** screen. (Page 44)

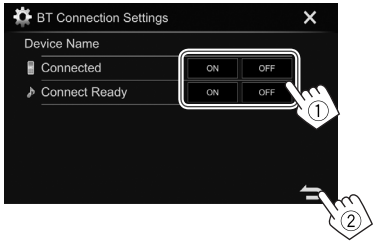
2



3 Select the device you want to connect (①), then press **[Connection]** (②).



4 Select **[ON]** (to connect) or **[OFF]** (to disconnect) for the target (①), then display the **<Paired Device List>** screen (②).



: Mobile phone

: Audio device

- The status is shown as follows:
  - "Connecting": Connection is in progress.
  - "Connected": A connection has been established.
  - "Connect Ready": A connection can be established.
  - "Disconnecting": Disconnection is in progress.
  - "Disconnected": No connection is established.

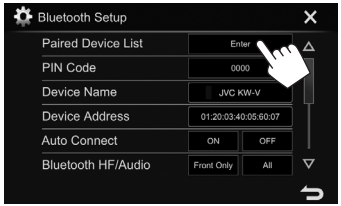
5 Connect the selected device.

- When a Bluetooth mobile phone is connected, the signal strength and battery level are displayed when the information is acquired from the device.

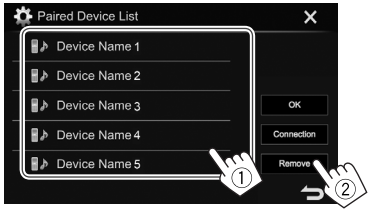
❑ Deleting a registered Bluetooth device

1 Display the **<Bluetooth Setup>** screen. (Page 44)

2



3 Select a device to delete (①), then press **[Remove]** (②).



A confirmation message appears. Press **[Yes]**.

Using a Bluetooth mobile phone

❑ Receiving a call

When a call comes in...

- Call information is displayed if acquired.
- Phone operation is not available while the picture from the rear view camera is displayed. (Page 38)

To reject a call

When <Auto Response> is set to [ON] (Page 51)
The unit answers incoming calls automatically.

When receiving a call during navigation guidance (only for KW-V230BT Region 3/KW-V230BTM/ KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM/KW-V630BT/ KW-V630BTM)
The screen is switched automatically. To return to the navigation screen, press **[ ]** on the monitor panel (for KW-V230BT/KW-V230BTM/KW-V330BT/ KW-V330BTM) or **[ ]** on the pop-up short-cut menu (Page 12) (for KW-V430BT/KW-V430BTM/ KW-V630BT/KW-V630BTM).

❑ Ending a call

While talking...

❑ Adjusting the volume of calls/earpiece/ microphone

While talking...

- You can adjust the volume level between –10 to 10 (initial: –4).
- Use the monitor panel to adjust the call/earpiece volume. (Page 7)

❑ Switching between handsfree mode and phone mode

While talking...

Each time you press the button, the talking method is switched (: handsfree mode / : phone mode).

❑ Adjusting the noise reduction/echo cancel level

While talking...

- **To adjust the noise reduction volume (between –5 to 5, initial: 0) :** Adjust **<NR LEVEL>**.
- **To adjust the echo volume (between –5 to 5, initial: 0):** Adjust **<EC LEVEL>**.

❑ Sending text during a call

You can send text during a call using the DTMF (Dual Tone Multi Frequency) function.

While talking...

❑ Switching between two connected devices

You can change the device to use in the following situations:

- When 2 devices are connected
- While in phone control screen

- The active device is highlighted.

❑ Making a call

1 Display the phone control screen.
On the Home screen:

KW-V230BT/ KW-V230BTM

KW-V330BT/ KW-V330BTM

KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

- You can also display the phone control screen as follows:
  - For KW-V230BT/KW-V230BTM: Select **[Phone]** on the pop-up short-cut menu (Page 12).
  - For KW-V330BT/KW-V330BTM/KW-V430BT/ KW-V430BTM/KW-V630BT/KW-V630BTM: Select **[ ]** on the pop-up short-cut menu (Page 12).

2 Select a method to make a call.

1 From the call history*
2 From the phone book*
3 From the preset list
   - To preset, see page 49.
4 Direct number entry
5 Voice dialing

- You can display the **<Bluetooth Setup>** screen by pressing **[ ]**.

* When the mobile phone is not compatible with Phone Book Access Profile (PBAP), the call history and the phone book are not displayed.

Continued on the next page...

From the call history/phone book/preset list

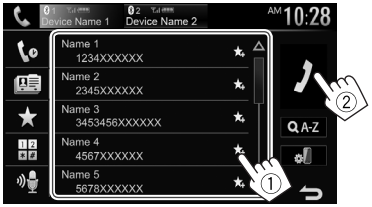
1

[ ] From the call history (missed calls/ received calls/dialed calls)

[ ] From the phone book

[★] From the preset list

2 Select the target (①), then make a call (②).



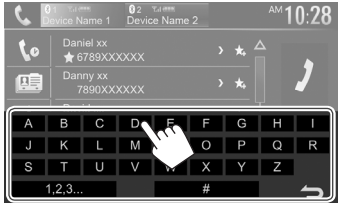
- You can change the page to display more items by pressing [△]/[▽].

- To use the A to Z search in the phone book:

1

2 Select the initial.

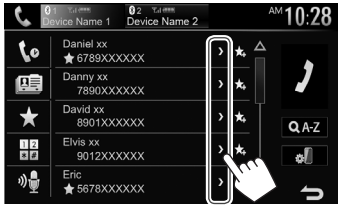
- If the initial character is a number, press **[1,2,3...]** and then select the number.



3 Select a phone number from the list.

- To display other phone numbers:
  When the phone book list is displayed, you can switch between phone numbers if several phone numbers are registered for the same contact (up to 10 phone numbers per contact).

1 Switch the phone number.

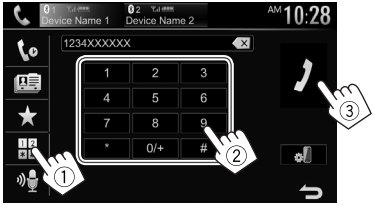


- The phone number switches each time **[>]** is pressed.

2 Select a phone number to call.

Direct number entry

You can enter up to 31 numbers.



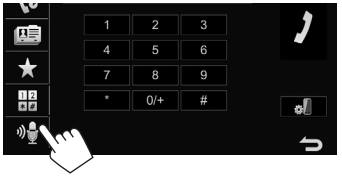
- Press [⌫] to delete the last entry.
- Press and hold **[0/+]** to add "+" to the phone number.

Voice dialing

- Available only when the connected mobile phone has a voice recognition system.

1 Activate voice dialing.

On the phone control screen:



- You can also activate voice dialing as follows:
  - For KW-V230BT/KW-V230BTM: Hold FNC/🎤 on the monitor panel
  - For KW-V330BT/KW-V330BTM: Hold HOME/🎤 on the monitor panel or select [🎤] on the pop-up short-cut menu (Page 12).
  - For KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: Press and hold FNC on the monitor panel or select [🎤] on the pop-up short-cut menu (Page 12).

2 Say the name of the person you want to call.

- If the unit cannot find the target, the following screen appears. Press **[Start]**, then say the name again.

To cancel voice dialing: Press **[Cancel]**.

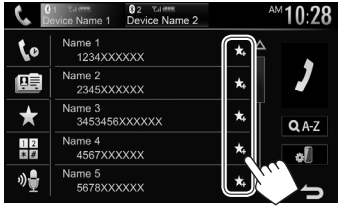
❑ Presetting phone numbers

You can preset up to 5 phone numbers.

1 Display the phone control screen. (Page 47)

2 Select phone book or call history.

3 Select a phone number to preset.



The preset list is displayed.

4 Select a preset number to store into.

- To display the preset list, press [★] on the phone control screen. (Page 47)
- To delete preset phone number, press [🗑] besides the phone number on the preset list.

Using the Bluetooth audio player

- To register a new device, see page 43.
- To connect/disconnect a device, see page 45.
- When **"BT Audio"** is selected as the source, you can connect to five Bluetooth audio devices and switch between these five devices.

❑ Playback information on the source control screen

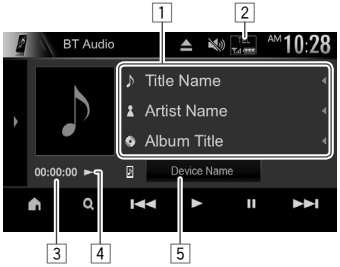
- The operation buttons, indications and information displayed on the screen differ depending on the connected device.

KW-V230BT/KW-V230BTM

Continued on the next page...

KW-V330BT/KW-V330BTM

KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM



1 Tag data (current track title/artist name/album title)*1
- Pressing **[◀]** scrolls the text if not all of the text is shown.

2 The signal strength and battery level (Appear only when the information is acquired from the device.)

3 Playing time*1

4 Playback status*1

5 Connected device name
- Pressing the button switches to another connected Bluetooth audio device.

❑ Operation buttons on the source control screen

- To display all available operation buttons, press **[▶]**/**[▷]***2. All the other available buttons are shown.
  - To hide the window, press **[◀]**/**[◁]***2.

[EQ]*3	Displays the **<Equalizer>** screen. (Page 53)
[FNC ▲]*4	Displays the pop-up short-cut menu. (Page 12) • To close the menu, press **[▼]**.
[⌂]*5	Displays the Home screen.
[🔍]	Displays the audio menu. (See the right column.)
[⏮] [⏭]	• Selects a track. (Press) • Reverse/forward search.*1 (Hold)
[▶]	Starts playback.
[❚❚]	Pauses playback.
[🔀]/**[🔀]***2	Selects random playback mode.*6
[🔁]/**[🔁]***2	Selects repeat playback mode.*6
[⚙]	Displays the **<Bluetooth Setup>** screen. (Page 51)

*1 Available only for devices compatible with AVRCP 1.3.

*2 The appearance of the buttons/indicators differs depending on the model.

*3 Appears only for KW-V230BT/KW-V230BTM.

*4 Appears only for KW-V330BT/KW-V330BTM.

*5 Appears only for KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM.

*6 The random and repeat functions vary depending on the Bluetooth audio device.

❑ Selecting an audio file from the menu

1 Display the audio menu.

2 Select a category (①), then a desired item (②).

- Select an item in each layer until you reach and select the desired file.
- You can change the page to display more items by pressing **[△]**/**[▽]**.
- Press **[📁]** to return to the upper layer.

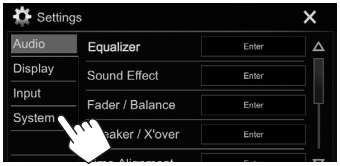
Settings for Bluetooth devices

You can change various settings for using Bluetooth devices on the **<Bluetooth Setup>** screen.

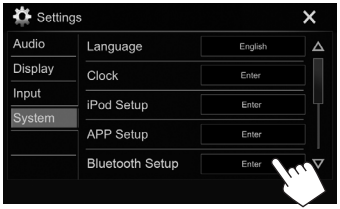
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM **KW-V330BT/ KW-V330BTM** **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**

2 Display the **<System>** setting screen.

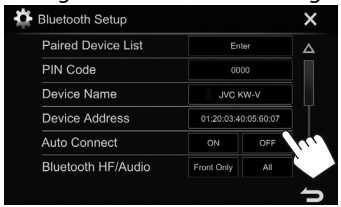


3 Display the **<Bluetooth Setup>** screen.



- You can also display the **<Bluetooth Setup>** screen by pressing **[ ]** on the phone control screen (Page 47) or **[ ]** on the **"BT Audio"** source control screen (Page 50).

4 Configure the Bluetooth settings.



- You can change the page to display more items by pressing **[△]**/**[▽]**.

❑ Setting items

<Paired Device List>	Press **[Enter]** to show the list of registered devices. You can connect a device or delete registered devices. (Page 45)
<PIN Code>	Changes the PIN code of the unit. (Page 44)
<Device Name>	Shows the device name to be shown on the Bluetooth device — **JVC KW-V**.
<Device Address>	Shows the device address of the unit.
<Auto Connect>	• **ON** (Initial): A connection is automatically established with the last connected Bluetooth device when the unit is turned on. • **OFF**: Cancels.
<Bluetooth HF/Audio>	Selects the speakers used for Bluetooth (both phone and audio player). • **Front Only**: Front speakers only. • **All** (Initial): All speakers.
<Auto Response>	• **ON**: The unit answers the incoming calls automatically after 5 seconds. • **OFF** (Initial): The unit does not answer the calls automatically. Answer the calls manually.
<Auto Pairing>	• **ON** (Initial): Establishes pairing automatically with the connected iOS device (such as iPhone) even if the Bluetooth function is deactivated on the device. (Auto pairing may not work for some devices depending on the iOS version.) • **OFF**: Cancels.
<Initialize>	Hold **[Enter]** to reset all settings you have made for using Bluetooth mobile phones and Bluetooth audio players.

Settings for using applications of iPod touch/iPhone/Android

Before using applications of iPod touch /iPhone/ Android, select the device to use.

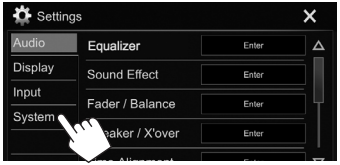
When connecting the device for the first time, the setup screen (for connection, etc.) appears. Follow the procedure on the setup screen to configure the settings.

Preparation:
- **For Android:** Connect the Android device via Bluetooth. (Page 43)
- **For iPod touch/iPhone:**
  - Connect iPod touch/iPhone with a cable (Page 72) or via Bluetooth (Page 43).
  - Select the connection method of iPod touch/ iPhone on **<iPod Setup>**. (Page 23)

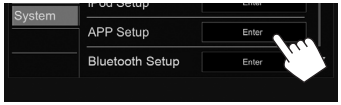
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM | **KW-V330BT/ KW-V330BTM** | **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**

2 Display the **<System>** setting screen.

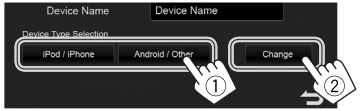


3 Display the **<APP Setup>** screen.

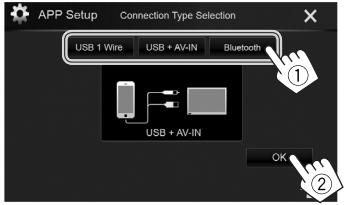


- If **[Enter]** for **<APP Setup>** cannot be selected, turn off the AV source. (Page 7)

4 Select the device type (①), then press **[Change]** (②).



5 Select the connection method (①), then confirm the selection (**[OK]** or **[Next]**) (②).



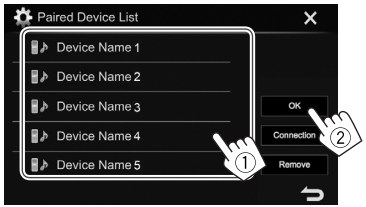
For Android:

[Bluetooth]	Select this when the device is connected via Bluetooth. (Go to step **6**.)
[HDMI/MHL+ Bluetooth]*	Select this when the Android device is connected both by cable KS-U60 (optional accessory) or KS-U61 (optional accessory) to the HDMI/ MHL input terminal and via Bluetooth. (Go to step **6**.)

For iPod/iPhone:

[USB 1 Wire]	Select this when the iPod/iPhone is connected using a USB 2.0 cable (accessory of the iPod/ iPhone) or KS-U62 (optional accessory).
[USB + AV-IN]	Select this when the iPod/iPhone is connected using KS-U59 (optional accessory).
[Bluetooth]	Select this when the iPod/iPhone is connected via Bluetooth. (Go to step **6**.)
[HDMI + Bluetooth]*	Select this when the iPod/iPhone is connected using HDMI cable KS-U60 (optional accessory) and KS-U62 (optional accessory) through a Lightning-Digital AV adapter (accessory of the iPod/iPhone). (Go to step **6**.)

6 When selecting **[HDMI/MHL + Bluetooth]***, **[HDMI + Bluetooth]*** or **[Bluetooth]** as the connection method, the paired device list appears. Select the target device (①), then press **[OK]** to connect (②).



- If the device is already connected, skip step ①.

* Appears only for KW-V630BT/KW-V630BTM.

Sound adjustment

❑ Using the sound equalization

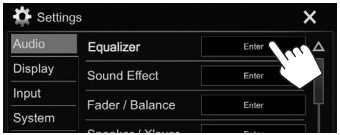
- The adjustments are memorized for each source until you adjust the sound again. If the source is a disc, the adjustments are stored for each of the following categories.
  - DVD/VCD
  - CD
  - DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC/FLAC
- You cannot adjust the sound when the unit is in standby.

Selecting a preset sound mode

1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM	KW-V330BT/ KW-V330BTM	KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

2 Display the **<Equalizer>** screen.



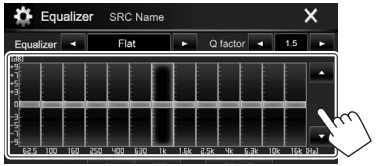
3 Select a sound mode.

- You can also display the **<Equalizer>** screen as follows:
  - For KW-V230BT/KW-V230BTM: Press [ ] on the source control screen.
  - For KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: Select [ ] on the pop-up short-cut menu (Page 12).

Storing your own adjustments—Adjusting the sound precisely

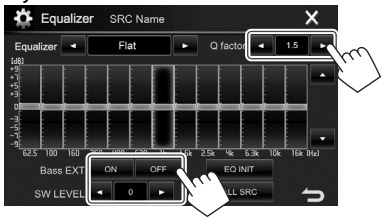
1 Select a sound mode. (See the left column.)

2 Select a band and adjust the level of the selected band.
- You can adjust the level by dragging the slider or using [▲]/[▼].
- Repeat this step to adjust the level of other bands.



The adjustments are stored and **<User>** is activated.

3 Adjust the sound.



<Q factor>	Adjusts the width of the frequency.
<Bass EXT>	Activates (**[ON]**)/deactivates (**[OFF]**) bass.
<SW LEVEL>	Adjusts the subwoofer level.*

- To apply the adjusted equalizer to all playback sources, press **[ALL SRC]**, then press **[OK]** to confirm.
- To clear the adjustment, press **[EQ INIT]**.

* Not adjustable when **<None>** is selected for subwoofer on the **<Speaker Select>** screen. (Page 54)

❑ Setting the crossover network mode

Select the appropriate crossover network mode according to the speaker system (2-way speaker system or 3-way speaker system).

1 Turn off the AV source. (Page 7)

2 Display the **<X'over Network>** screen.
Press the following buttons at the same time:
- For KW-V230BT/KW-V230BTM: and EQ
- For KW-V330BT/KW-V330BTM: and
- For KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: FNC and volume –

3 Select the crossover network mode.

[2way]	Select this when connecting speakers in a 2-way system (front/rear).
[3way]	Select this when connecting speakers in a 3-way system (tweeter/mid range/woofer).

A confirmation message appears. Press **[Yes]**.

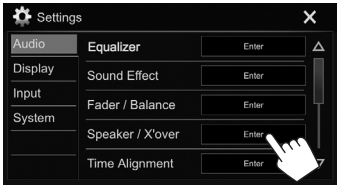
❑ Setting the speakers—car type, speaker size and crossover frequency

Preparation:
Select the appropriate crossover network mode beforehand. (Page 53)

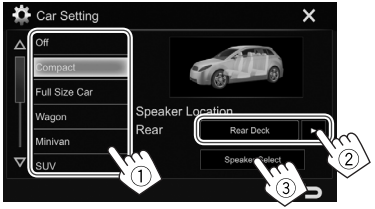
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM	KW-V330BT/ KW-V330BTM	KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

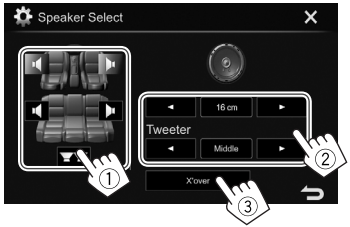
2 Display the **<Car Setting>** screen.



3 Select a car type (①), select the location of the speakers (②)*1, then display the **<Speaker Select>** screen (③).

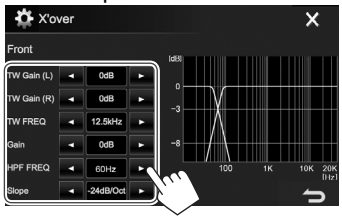


4 Select the speaker type (①), select the size of the selected speaker (②), then display the **<X'over>** screen (③).



- When a speaker is not connected, select **<None>**.
- When setting the front speakers, also select the speaker size for **<Tweeter>**.

5 Adjust the crossover frequency of the selected speaker.



<TW Gain (L)>/ <TW Gain (R)>	Adjusts the output volume of the tweeter (left/right).*2*3
<TW FREQ>	Adjusts the crossover frequency for the tweeter.*2*3
<Gain>	Adjusts the output volume of the selected speaker.
<HPF FREQ>	Adjusts the crossover frequency for the front or rear speakers (high pass filter).*4
<LPF FREQ>	Adjusts the crossover frequency for the subwoofer (low pass filter).*5
<Slope>/ <HPF Slope>/ <LPF Slope>	Adjusts the crossover slope.*6
<Phase>	Selects the phase for the subwoofer.*5

*1 Speaker location selection is available only when **<X'over Network>** is set to **[2way]**. (Page 53)
*2 Appears only when the front speakers are selected.
*3 Adjustable only when **<Tweeter>** is set to **<Small>**, **<Middle>**, or **<Large>** on the **<Speaker Select>** screen.
*4 Appears only when the front/tweeter or rear/mid range speakers are selected.
*5 Appears only when the subwoofer is selected.
*6 Not adjustable when **<HPF FREQ>** or **<LPF FREQ>** is set to **<Through>**.

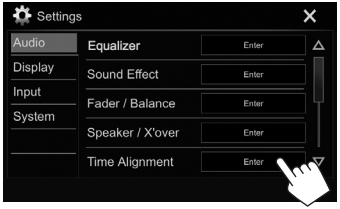
❑ Adjusting the Digital Time Alignment (DTA)

Make fine adjustments to the delay time of the speaker output to create a more suitable environment for your vehicle.

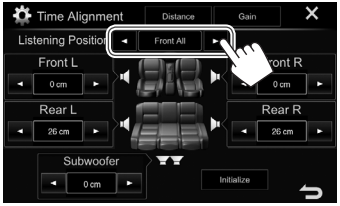
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM **KW-V330BT/ KW-V330BTM** **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**

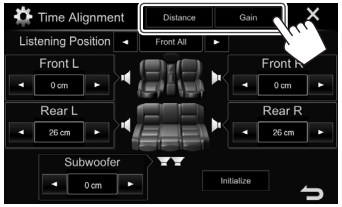
2 Display the **<Time Alignment>** screen.



3 Select the listening position (**<All>**, **<Front L>**, **<Front R>** or **<Front All>***).



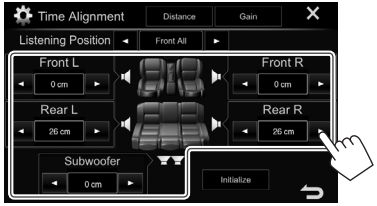
4 Select an item to make an adjustment.



[Distance] Adjusts the Digital Time Alignment (DTA) value.

[Gain] Adjusts the output volume of the selected speaker.

5 Adjust each speaker setting.



- To determine the adjustment value, see the right column.
- To initialize the setting value, press **[Initialize]**.

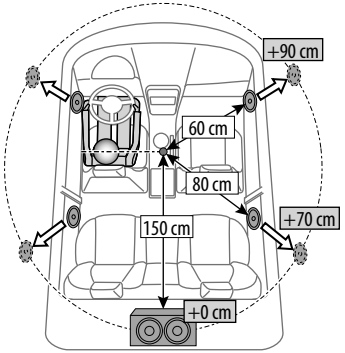
* **<Front All>** is selectable only when **<X'over Network>** is set to **[2way]**. (Page 53)

Determining the value for <Position DTA> adjustment

If you specify the distance from the center of the currently set listening position to every speaker, the delay time will be automatically computed and set.

① Determine the center of the currently set listening position as the reference point.
② Measure the distances from the reference point to the speakers.
③ Calculate the differences between the distance of the furthest speaker and other speakers.
④ Set the DTA value calculated in step ③ for individual speakers.
⑤ Adjust gain for individual speakers.

Example: When **<Front All>** is selected as the listening position

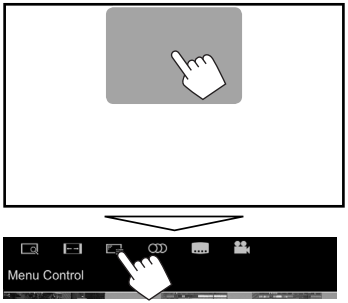


Adjustment for video playback

❑ Adjusting the picture

You can adjust the picture quality.

1 Display the picture adjustment screen.
On the source control screen:



2 Select **[DIM ON]** (dimmer on) or **[DIM OFF]** (dimmer off) (①), then adjust the picture (②).

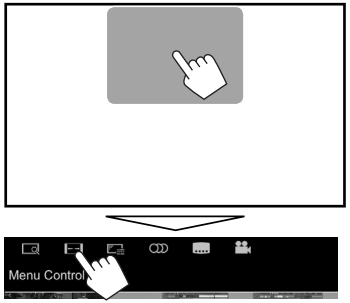
<Bright> Adjusts the brightness. (–15 to +15)
<Contrast> Adjusts the contrast. (–10 to +10)
<Black> Adjusts the blackness. (–10 to +10)
<Color> Adjusts the color. (–10 to +10)
<Tint> Adjusts the tint. (–10 to +10)
<Sharpness> Adjusts the sharpness. (–2 to +2)

- You can also display the **<Equalizer>** screen as follows:
  – For KW-V230BT/KW-V230BTM: Select **[Screen Adjustment]** on the pop-up short-cut menu (Page 12).
  – For KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: Select **[ ]** on the pop-up short-cut menu (Page 12).

❑ Changing the aspect ratio

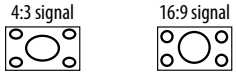
You can change the aspect ratio for video playback.

1 Display the aspect ratio selection screen.
On the source control screen:



2 Select the aspect ratio.

<Full>* For 16:9 original pictures



<Just> For viewing 4:3 pictures naturally on the wide screen

<Normal>* For 4:3 original pictures

<Auto> For **"DISC"**/**"USB"** only: The aspect ratio is automatically selected to match the incoming signals.

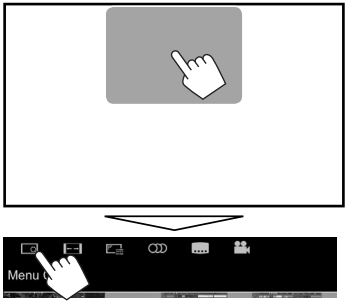
* While DivX is played back with **<Screen Ratio>** set to **[16:9]** (Page 18 for discs/Page 20 for USB), the aspect ratio may not set correctly.

❑ Zooming the picture

You can zoom the picture (**<Full>**, **<Zoom1>** to **<Zoom3>**).

- When **<** ↔ **>** is set to **<Just>** or **<Auto>** (Page 56), the picture is zoomed with the aspect ratio of the **<Full>** setting.

1 Display the magnification level selecting screen.
On the source control screen:



2 Change the magnification (①), then move the zooming frame (②).

- The zoom function cannot be used for some video sources.

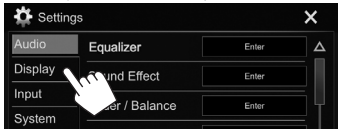
Changing the display design

You can change the background and panel color.

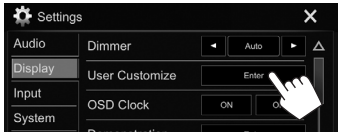
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM **KW-V330BT/ KW-V330BTM** **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**

2 Display the **<Display>** setting screen.



3 Display the **<User Customize>** screen.

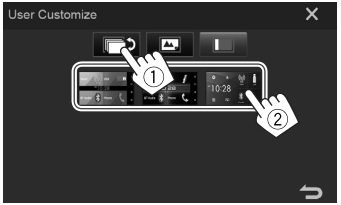


- Only for KW-V330BT/KW-V330BTM/ KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM: You can also display the **<User Customize>** screen as follows:
  - For KW-V330BT/KW-V330BTM: Select **[** ↘ **]** on the pop-up short-cut menu (Page 12), or press **[** ↘ **]** on the Home screen (Page 9).
  - For KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM: Press **[** ↘ **]** on the Home screen (Page 9).

4 Select an item to change, then select the design or color.

Only for KW-V330BT/KW-V330BTM: To change the Home screen design

Display the Home screen design selection screen (①), then select the Home screen design (②).

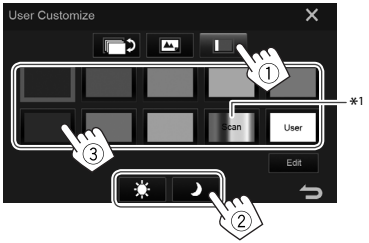


- The selectable background designs differ depending on the selected Home screen design.
- When the Home screen design is changed, source icon designs are also changed.

Continued on the next page...

Only for KW-V330BT/KW-V330BTM: To change the panel color

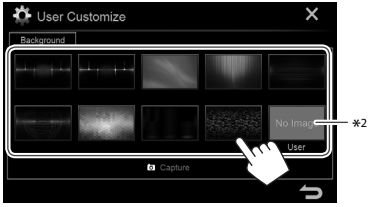
Display the panel color selection screen (①), select the dimmer setting ([ ]: dimmer on or [ ]: dimmer off) (②), then select the panel color (③).



- You can also adjust the color yourself. Press **[Edit]** to display the color adjustment screen, then select the dimmer setting and adjust the color. The adjustment is saved on **[User]**.

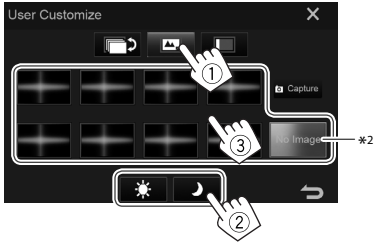
To change the background design

KW-V230BT/KW-V230BTM



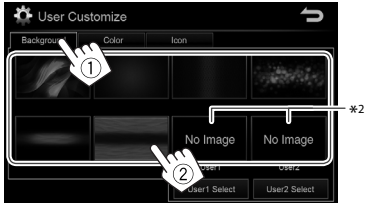
KW-V330BT/KW-V330BTM

Display the background design selection screen (①), select the dimmer setting ([ ]: dimmer on or [ ]: dimmer off) (②), then select the background design (③).



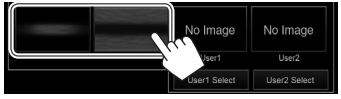
KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM

Display the background design selection screen (①), then select the background design (②).

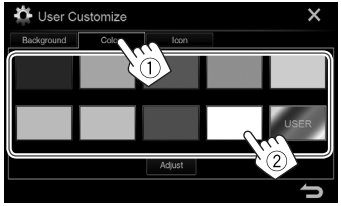


Only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: To change the Background color

When the one of the background designs shown below is selected, you can change the background color.



Display the background color selection screen (①), then select the background color (②).



- You can also adjust the color yourself. Press **[Adjust]** to display the color adjustment screen, then adjust the color. The adjustment is saved on **[User]**.

Only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: To change the source icon design

Display the icon style selection screen (①), then select the icon design (②).

*1 Selecting this changes the illumination color gradually.

*2 Store your own scene beforehand. (Page 59)

❑ Storing your own scene for the background image

While playing a video or picture, you can capture an image and use the captured image as a background.

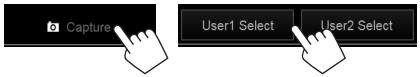
- You cannot capture copyrighted content and images from iPod/iPhone.
- When using a JPEG file as the background, make sure that the resolution is 800 x 480 pixels.
- The color of the captured image may look different from that of the actual scene.

1 Play a video or picture.

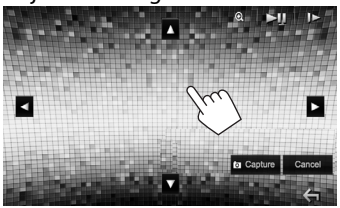
2 Display the **<User Customize>** screen. (Page 57)

3 Display the image adjustment screen.

KW-V230BT/ KW-V230BTM/ KW-V330BT/ KW-V330BTM **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**



4 Adjust the image.



[▲][▼][◀][▶] Moves the zooming frame.
[⊕] Magnifies the scene. (**<OFF>**, **<Zoom1>** – **<Zoom3>**)
[▶❚❚]* Starts/pauses playback.
[❚▶]* Advances scenes frame-by-frame.

- To cancel the capture, press **[Cancel]**.

5 Capture the image displayed on the screen.

A confirmation message appears. Press **[Yes]** to store the newly captured image. (The existing image is replaced with the new one.)

- Press **[No]** to return to the previous screen.

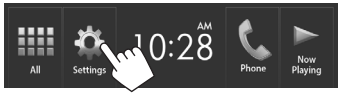
* Not displayed when playing an external component connected to the iPod/AV-IN input terminal.

Customizing the Home screen

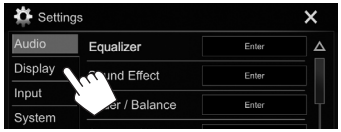
You can arrange the items to display on the Home screen.

KW-V230BT/KW-V230BTM

1 Display the **<Settings>** screen.
On the Home screen:

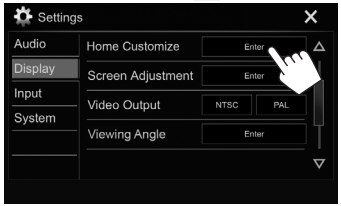


2 Display the **<Display>** setting screen.



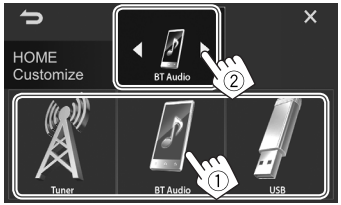
3 Display the **<Home Customize>** screen.

- You can change the page to display more items by pressing **[△]**/**[▽]**.



- You can also display the **<Home Customize>** screen by pressing and holding one of the source button displayed on the Home screen.

4 Select an item to replace (①), then select the item you want to display in the selected position (②).



Repeat this step to place icons for other items.

Continued on the next page...

KW-V330BT/KW-V330BTM/KW-V430BT/ KW-V430BTM/KW-V630BT/KW-V630BTM

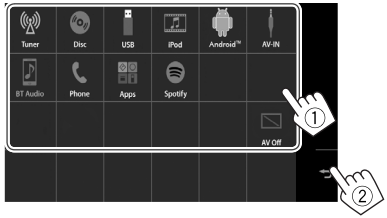
1 Select an item to replace.
On the Home screen:
Press and hold the icon you want to replace.

KW-V330BT/KW-V330BTM

KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM

The item selection screen is displayed.

2 Select the item you want to display in the position selected in step **1** (①), then press **[ ]** (②).



- Only selectable sources are shown.

- Repeat the procedure to place icons for other items.

Customizing the system settings

❑ Memorizing/recalling the settings

- You can memorize the settings changed in the **<Settings>** menu and recall the memorized settings any time.
- The memorized settings are kept even when the unit is reset.

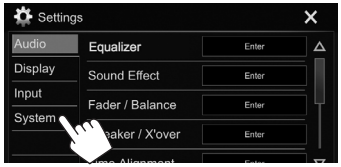
1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM

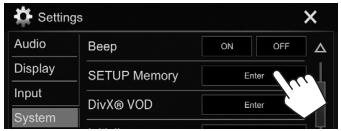
KW-V330BT/ KW-V330BTM

KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

2 Display the **<System>** setting screen.



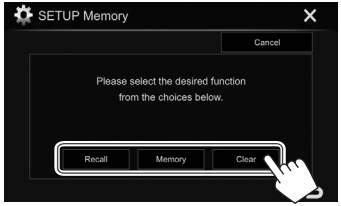
3 Display the **<SETUP Memory>** screen.
- You can change the page to display more items by pressing [ ]/[ ].



4

- To cancel, press **[No]**.

5 Select an operation.



[Recall] Recalls the memorized settings.
[Memory] Memorizes the current settings.
[Clear] Clears the currently memorized settings.

- To cancel, press **[Cancel]**.

A confirmation message appears. Press **[Yes]**.

❑ Updating the system

You can update the system by connecting a USB device containing an update file.

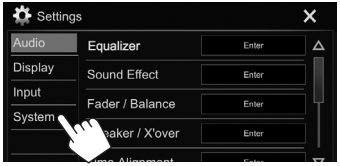
- To update the system, visit <http://www.jvc.net/cs/car/>.

1 Create an update file and copy it to a USB device.

2 Display the **<Settings>** screen.
On the Home screen:

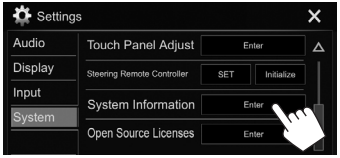
KW-V230BT/ KW-V230BTM	KW-V330BT/ KW-V330BTM	KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

3 Display the **<System>** setting screen.



4 Display the **<System Information>** screen.

- You can change the page to display more items by pressing **[△]/[▽]**.



5

<Application Version>	Updates the system application.
<System Version>	Updates the system.
<DVD Version>	Updates the DVD system application.

6 Connect the USB device with the update file.

- To connect a USB device, see page 72.

The system update starts. It may take a while. If the update has been completed successfully, "Update Completed" appears. Reset the unit.

- Do not disconnect the USB device while updating.
- If the update has failed...
  - KW-V230BT/KW-V230BTM/KW-V330BT/KW-V330BTM: Turn the power off and then on, and retry the update.
  - KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: Turn off the ignition switch, then turn on the ignition switch, and retry the update.
- Even if you have turned off the power during the update, you can restart the update after the power is turned on. The update will be performed from the beginning.

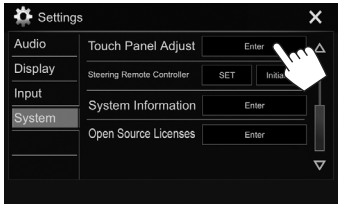
❑ Adjusting the touch position

You can adjust the touch position on the touch panel if the position touched and the operation performed do not match.

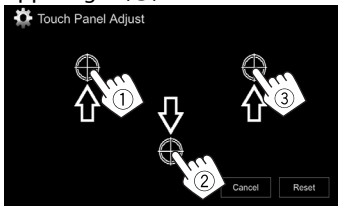
1 Display the **<System>** setting screen. (See the far left column.)

2 Display the **<Touch Panel Adjust>** screen.

- You can change the page to display more items by pressing **[△]/[▽]**.



3 Touch the center of the marks at the upper left (①), the lower center (②), then the upper right (③) as instructed.



- To reset the touch position, press **[Reset]**.
- To cancel the current operation, press **[Cancel]**.

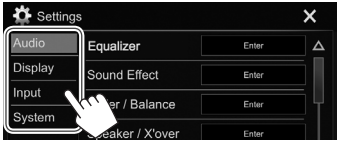
Setting menu items

❑ Displaying the <Settings> menu screen

1 Display the **<Settings>** screen.
On the Home screen:

KW-V230BT/ KW-V230BTM	KW-V330BT/ KW-V330BTM	KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM

2 Select the menu category.



- You can change the page to display more items by pressing **[△]/[▽]**.
- Only for KW-V230BT/KW-V230BTM: You can also display the **<Settings>** screen by selecting **[SETUP]** on the pop-up short-cut menu (Page 12).
- You cannot change the **<Audio>** settings screen in the following situations:
  – When the AV source is turned off. (Page 7)
  – When the Bluetooth phone is used (making or receiving a call, during a call, or while voice dialing).
  – During navigation guidance*

* Only for KW-V230BT Region 3/KW-V230BTM/KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM/KW-V630BT/KW-V630BTM.

❑ <Audio> setting screen

<Equalizer>
Change the sound mode or adjust and store the equalization for each source. (Page 53)

- **Equalizer**: Selects the preset sound mode.
  – **Flat** (Initial)/**Hard Rock/Pop/Hip Hop/R&B/Jazz/Classical/drvn 3/drvn 2/drvn 1/User**
- **Q factor**: Adjusts the width of the frequency.
  – **1.35**/**1.5** (Initial)/**2.0**
- **Bass EXT**: Activates/deactivates bass.
  – **ON**/**OFF** (Initial)
- **SW LEVEL**: Adjusts the subwoofer level.
  – **–50** to **+10** (Initial: **0**)

<Sound Effect>
Adjust the sound effect.

- **Loudness**: Adjusts loudness.
  – **OFF** (Initial)/**Low**/**High**
- **Bass Boost**: Selects the bass boost level.
  – **OFF** (Initial)/**Level 1**/**Level 2**/**Level 3**/**Level 4**/**Level 5**
- **Volume Link EQ**: You can reduce the driving noise by raising the bandwidth.
  – **OFF** (Initial)/**ON**
- **Space Enhancement***1: Virtually enhances the sound space using the Digital Signal Processor (DSP) system. Select the enhance level.
  – **OFF** (Initial)/**Small**/**Medium**/**Large**
- **K2***2: Restores the sound lost due to audio compression to a realistic sound.
  – **OFF**/**ON** (Initial)
- **Sound Response**: Virtually makes the sound more realistic using the Digital Signal Processor (DSP) system. Select the sound level.
  – **OFF** (Initial)/**Level 1**/**Level 2**/**Level 3**
- **Sound Lift**: You can move the center of the sound to the lower or higher point. Select the height.
  – **OFF** (Initial)/**Low**/**Middle**/**High**

<Fader/Balance>

Fader: Adjusts the front and rear speaker output balance.

- **F15** to **R15** (Initial: **0**)
  – When using a two-speaker system, set the fader to the center (**0**).

Balance: Adjusts the left and right speaker output balance.

- **L15** to **R15** (Initial: **0**)

Press [▲]/[▼]/[◀]/[▶] or drag **[ ]** to adjust.

- To clear the adjustment, press **[Center]**.

<Speaker/X'over>
Select the car type/speaker size and adjust the crossover frequency. (Page 54)

<Time Alignment>
Select the listening position, then adjust the delay time of the speaker output to create a more suitable environment for your vehicle. (Page 55)

*1 You cannot change the setting when **"Tuner"** is selected as the source.

*2 This function works only when **"DISC"/ "USB"/ "iPod"/ "Android™"** is selected as the source.

<Volume Offset>
Adjust and store the auto-adjustment volume level for each source. (For discs, the adjustment is stored for each of the following categories: DVD/VCD, CD, and DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC/FLAC.) The volume level will automatically increase or decrease when you change the source.
- **–15** to **+6** (Initial: **00**)

❑ <Display> setting screen

<Dimmer>
- **Auto** (Initial): Dims the screen and button illumination when you turn on the headlights.
  - The ILLUMI lead connection is required. (Pages 70 and 71)
- **ON**: Activates dimmer.
- **OFF**: Cancels.

<User Customize>
Change the display design. (Page 57)

<OSD Clock>
- **ON**: Displays the clock while a video source is playing.
- **OFF** (Initial): Cancels.

<Demonstration>
- **ON** (Initial): Activates the demonstration on the screen.
- **OFF**: Cancels.

<Scroll>
- **ON**: Scrolls the displayed information repeatedly.
- **Once** (Initial): Scrolls the displayed information once.
- **OFF**: Cancels.

Pressing **[◀]** scrolls the text regardless of this setting.

<Home Customize>[*1]
Change the items to display on the Home screen. (Page 59)

<Screen Adjustment>
Adjust the brightness and blackness of the screen. Press **[Enter]** to display the setting screen, select **[DIM ON]** (dimmer on)/**[DIM OFF]** (dimmer off), then change the following settings:
- **Bright**: Adjusts brightness.
  - **–15** to **+15** (Initial: **0** for dimmer on/**+15** for dimmer off)
- **Black**: Adjusts blackness.
  - **–10** to **+10** (Initial: **0**)

<Video Output>[*2]
Select the color system of the external monitor.
- **NTSC**/**PAL** (Initial)

<Viewing Angle>
Select the viewing angle in relation to the monitor panel to make the panel easier to see.
- **Under 0°** (Initial)/**5°**/**10°**/**15°**/**20°**

[*1] Only for KW-V230BT/KW-V230BTM.
[*2] "Please Power Off" appears when the setting is changed. Turn off the power, then turn on to enable the change.

❑ <Input> setting screen

<Rear Camera>
Configure the rear view camera settings.
- **Rear Camera Interruption** (Page 38):
  - **ON** (Initial): Displays the picture from the rear view camera when you shift the gear to the reverse (R) position.
  - **OFF**: Select this when no camera is connected.
- **Parking Guidelines**: Displays (**ON**: Initial) or hides (**OFF**) the parking guidelines. (Page 39)
- **Guidelines Setup**: Adjusts the parking guidelines. (Page 39)

<Navigation>[*1][*2]
Change the settings for displaying the screen of App from the connected iPod touch/iPhone or the screen of an external navigation unit. (Pages 27 and 42)

<Navigation Input>[*1][*3]
- **iPhone**: Switches to the APP screen from the connected iPod touch/iPhone by pressing ⧉ on the monitor panel (for KW-V230BT Region 4/KW-V330BT Region 4) or **[⧉]** on the pop-up short-cut menu (for KW-V430BT Region 4). (Page 27)
- **OFF**: Switches to the current source control screen.

<TV Tuner Control>[*4]
- **ON**: Enables to control TV operation on the **"AV-IN"**.
- **OFF** (Initial): Select this to use **"AV-IN"** with the other component than TV Tuner.

[*1] To change the setting, turn off the AV source by pressing **[AV Off]** on the Home screen beforehand.
[*2] Only for KW-V230BT Region 3/KW-V230BTM/KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM/KW-V630BT/KW-V630BTM.
[*3] Only for KW-V230BT Region 4/KW-V330BT Region 4/KW-V430BT Region 4.
[*4] Only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM.

SETTINGS

❑ <System> setting screen

<Language>[*1]
Select the text language used for on-screen information.

- **English** (Initial)**/Español/Français/Deutsch/Italiano/Nederlands/Português/Türkçe/Русский/עברית/**فارسی**/**العربية**/ภาษาไทย/简体中文/繁體中文/Bahasa Malaysia/Bahasa Indonesia**
  - For external monitors, only English/Spanish/French/German/Italian/Dutch/Russian/Portuguese are available. If another language has been selected, the text language for external monitors will be set to English.
- **GUI Language**: Selects the language used for displaying operation buttons and menu items.
  - **Local** (the language selected above)/**English** (Initial)

<Clock>
Adjust the clock time. (Page 4)

<iPod Setup>
Specify the connection method of iPod/iPhone. (Page 23)

<APP Setup>
Configure the App setup. (Page 52)

<Bluetooth Setup>
Configure settings for using a Bluetooth device, such as connection and other general operations. (Page 51)

<Beep>

- **ON** (Initial): Activates the key-touch tone.
- **OFF**: Cancels.

<SETUP Memory>
You can memorize, recall, or clear the settings you have made. (Page 60)

<DivX(R) VOD>
This unit has its own Registration Code. Once you have played back a file with the Registration Code recorded, this unit's Registration Code is overwritten for copyright protection.

- Press **[Enter]** to display the information.
- To return to the previous screen, press **[OK]**.

<Initialize>
Initialize all settings you have made. Hold **[Enter]** to initialize the settings.

- After initializing the settings, adjust the settings on the **<Initial Settings>** screen.

<Serial Number>[*2]
Displays the serial number.

<Touch Panel Adjust>
Adjust the touch positions of the buttons on the screen. (Page 61)

<Steering Remote Controller>
Assign functions to the keys on the remote controller of the steering wheel. (Page 67)

<System Information>
Displays the version information of the software. You can update the software. (Page 61)

<Open Source Licenses>
Shows the Open Source Licenses.

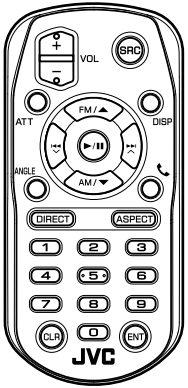
[*1] "Please Power Off" appears when the setting is changed. Turn off the power, then turn on to enable the change.

[*2] Only for KW-V230BT Region 3/KW-V230BTM/KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM/KW-V630BT/KW-V630BTM.

REMOTE CONTROLLER

For KW-V230BT Region 4/KW-V330BT Region 4/ KW-V430BT Region 4: To use the remote controller, purchase RM-RK258 separately.

The unit is equipped with a steering wheel remote control function. (Page 67)
- See page 73 for connection.
- Operations may differ depending on the type of steering wheel remote control.

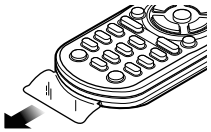


You can also operate this unit from Smartphone using JVC Remote APP. For details, visit <http://www.jvc.net/cs/car/>.

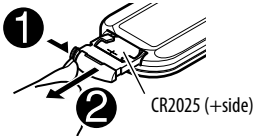
Preparation

❑ Removing the battery sheet

Pull the battery sheet out from the remote controller to activate the battery.



❑ Changing the battery of the remote controller



- Use a commercially available button battery (CR2025).
- Insert the battery with the + and – poles aligned properly.
  - – If the effectiveness of the remote controller decreases, replace the battery.

⚠ Warning:
- **Do not ingest the battery, Chemical Burn Hazard**
  The remote control supplied with this product contains a coin/button cell battery.
  If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
  Keep new and used batteries away from children.
  If the battery compartment does not close securely, stop using the product and keep it away from children.
  If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

⚠ Caution:
- Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.
- Do not set the remote control in hot places such as on the dashboard.
- Danger of explosion if Lithium battery is incorrectly replaced. Replace only with the same or equivalent type.

Before using the remote controller:
- Aim the remote controller directly at the remote sensor on the unit.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).

Operations using the remote controller (RM-RK258)

❑ Basic button functions

ATT	Attenuates/restores the sound.
DISP	Switches the screen between the current source and the App screen from the connected iPod touch/iPhone/Android.
FM/▲ / AM/▼	• Selects the band. • Selects a title/item/folder.
⏮ ⏭ / ⌄ ⌃	• Searches for stations automatically.*1 • Searches for stations manually.*1 (Hold) • Selects a track.
VOL +/ VOL –	Adjusts the volume level.
SRC	Selects the source.
▶/❚❚	• Starts/pauses playback. • Changes the seek mode (AUTO1, AUTO2, MANU).
📞	Answers incoming calls.
0 – 9	Enters a number. (See the far right column.)
1 – 5	Enters a preset station number.
ANGLE	Not used for this unit.
ASPECT	Changes the aspect ratio. • To check the current aspect ratio setting, operate on the touch panel. (Page 56)
ENT	Confirms selection.
DIRECT	Enters direct search mode. (See the right column.)
CLR	Erases the misentry.

* The search method differs according to the selected seek mode.

❑ Searching for an item directly

Tuner frequency

1 Press DIRECT to enter the search mode.
2 Press number buttons to enter a frequency.
   • To erase a misentry, press CLR (clear).
3 Press ENT to confirm the entry.

• To exit the search mode, press DIRECT.

Chapter/title/folder/file/track on the disc

1 Press DIRECT to enter the search mode.
   • Each time you press DIRECT, the item to search for changes.
2 Press a number button to select a desired item.
   • To erase a misentry, press CLR (clear).
3 Press ENT to confirm the selection.

• To exit the search mode, press DIRECT.

❑ Disc operations

Using the VCD menu

During PBC playback...

1 Press DIRECT to enter the search mode.
2 Press a number button to select the item you want to play.
3 Press ENT to confirm the selection.

• To exit the search mode, press DIRECT.

Using the steering remote controller

You can assign functions to the keys of the remote controller on the steering wheel.

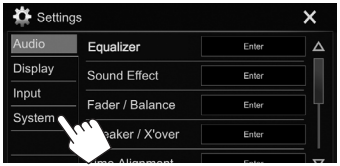
- This function is available only when your vehicle is equipped with the electrical steering remote controller.
- You can only register/change the functions while you are parked.
- If your steering remote controller is not compatible, learning may not be completed and an error message may appear.

❑ Registering/changing the functions

1 Display the **<Settings>** screen.
On the Home screen:

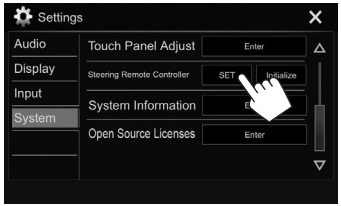
KW-V230BT/ KW-V230BTM **KW-V330BT/ KW-V330BTM** **KW-V430BT/ KW-V430BTM/ KW-V630BT/ KW-V630BTM**

2 Display the **<System>** setting screen.



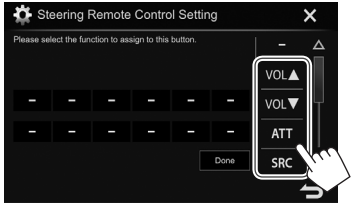
3 Display the **<Steering Remote Control Setting>** screen.

- You can change the page to display more items by pressing **[△]/[▽]**.



4 Press and hold a steering remote controller button to register/change.

5 Select a function to assign.



- You can change the page to display more items by pressing **[△]/[▽]**.

6 Repeat steps **4** and **5** as necessary.

7 Finish the procedure.

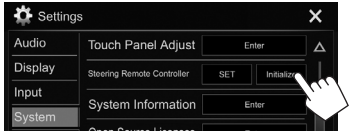
- The unit can register/change all of the buttons' functions at the same time. To do this, press each button in turn and after pressing all of them, press **[Done]** on the **<Steering Remote Control Setting>** screen. However, new functions cannot be learned after this operation.
- When changing the functions already learned, touch the button you want to change in step **5** and then touch to select the new function from the function list.
- Confirm the contents of the settable functions in the function list. You cannot edit the function list.

❑ Initializing the settings

1 Display the **<System>** setting screen. (See the far left column.)

- You can change the page to display more items by pressing **[△]/[▽]**.

2



3

- To cancel the initialization, press **[No]**.

CONNECTION/INSTALLATION

Before installing the unit

⚠ WARNING

- If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.
- Do not cut out the fuse from the ignition wire (red) and the battery wire (yellow). The power supply must be connected to the wires via the fuse.

⚠ Precautions on installation and connection

- Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12 V DC power supply.
- Do not install the unit in a location exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- If the power is not turned on ("Miswiring DC Offset Error", "Warning DC Offset Error" is displayed), the speaker wire may have a short circuit or have touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- Keep all cables away from heat dissipating metal parts.
- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.
- If the fuse blows, first make sure the wires are not touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect both connectors either to the front output terminals or to the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.
- Do not press hard on the panel surface when installing the unit to the vehicle. Otherwise scratches, damage, or failure may result.

⚠ CAUTION

- Install this unit in the console of your vehicle. Do not touch the metal parts of this unit during and shortly after the use of the unit. Metal parts such as the heat sink and enclosure become hot.
- When parking at a low ceiling area, turn off the unit to store the antenna.
  As when the unit is installed in the car with the function of auto antenna; the radio antenna extends automatically when you turn on the unit with the antenna control wire (ANT CONT) connected. (Pages 70 and 71)

❑ Supplied accessories for installation

① Wiring harness x 1
② Trim plate x 1 *1
③ Extension wire (2 m) x 1
④ Flat head screws (M5 x 8 mm) x 6
⑤ Round head screws (M5 x 8 mm) x 6
⑥ Steering Remote cable x 1
⑦ Microphone (3 m) x 1
⑧ Fixture for HDMI/MHL connector x 1 *2
⑨ Screws for the fixture (M2.6 x 6 mm) x 1 *2
⑩ RCA cable x 1 *3

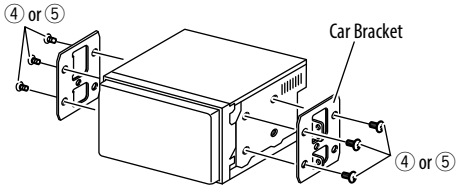
*1 Only for KW-V230BT/KW-V230BTM/KW-V330BT/KW-V330BTM.
*2 Only for KW-V630BT/KW-V630BTM.
*3 Only for KW-V430BT Region 3/KW-V430BTM/KW-V630BT/KW-V630BTM.

❑ Installation procedure

1. To prevent a short circuit, remove the key from the ignition and disconnect the ⊖ battery.
2. Make the proper input and output wire connections for each unit.
3. Connect the speaker wires of the wiring harness.
4. Connect the wiring harness wires in the following order: ground, battery, ignition.
5. Connect the wiring harness connector to the unit.
6. Install the unit in your car.
   - Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (eg, the sound may skip).
7. Reconnect the ⊖ battery.
8. Press the reset button. (Page 3)
9. Configure **<Initial Settings>**. (Page 4)

Installing the unit

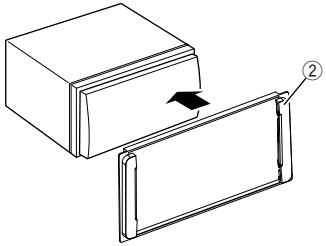
❑ Installing the unit using the mounting bracket removed from the car



- Select the appropriate type of screw for the mounting bracket: flat head (④) or round head (⑤).

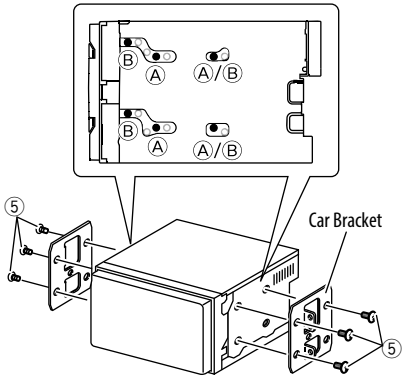
❑ Installing the trim plate (only for KW-V230BT/KW-V230BTM/ KW-V330BT/KW-V330BTM)

Attach the trim plate (②).



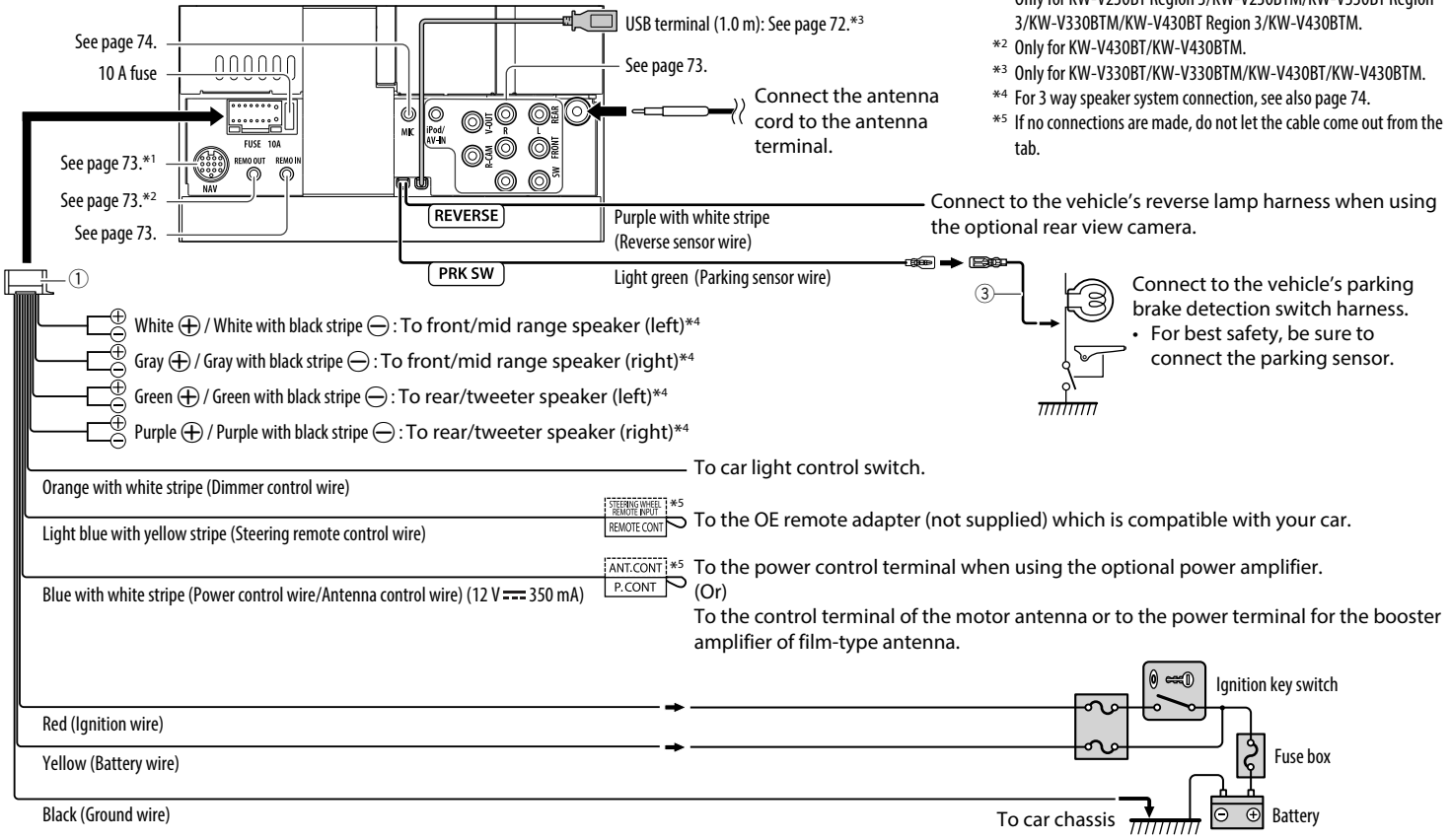
❑ Installing in Toyota cars

Install onto the car bracket using the supplied screws (⑤). Use the mounting holes (Ⓐ or Ⓑ) that fit the car bracket.



Connection

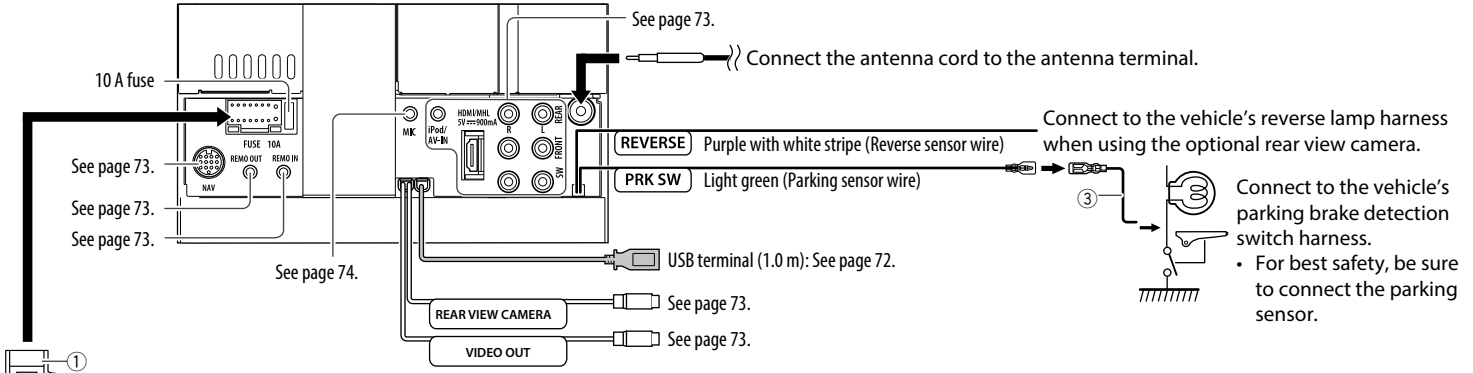
❑ Connecting wires to terminals for KW-V230BT/KW-V230BTM/KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM



*1 Only for KW-V230BT Region 3/KW-V230BTM/KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM.
*2 Only for KW-V430BT/KW-V430BTM.
*3 Only for KW-V330BT/KW-V330BTM/KW-V430BT/KW-V430BTM.
*4 For 3 way speaker system connection, see also page 74.
*5 If no connections are made, do not let the cable come out from the tab.

CONNECTION/INSTALLATION

❑ Connecting wires to terminals for KW-V630BT/KW-V630BTM

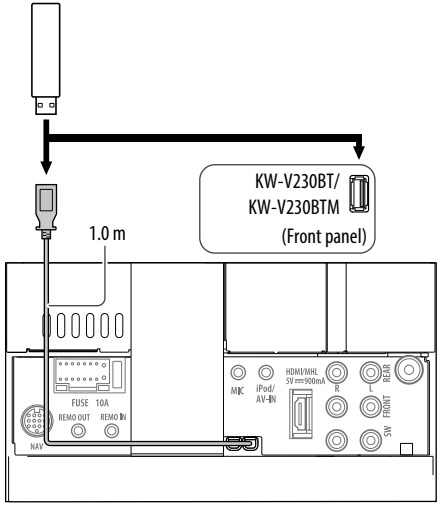


*1 For 3 way speaker system connection, see also page 74.

*2 If no connections are made, do not let the cable come out from the tab.

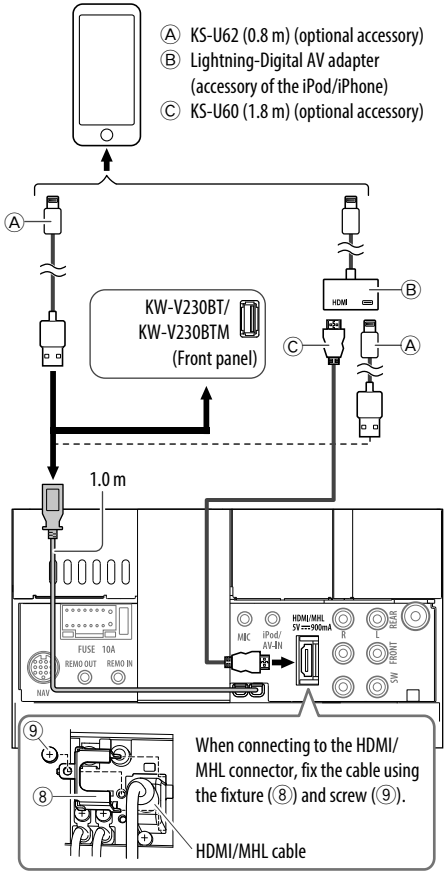
❑ Connecting a USB device

USB device
(commercially available)

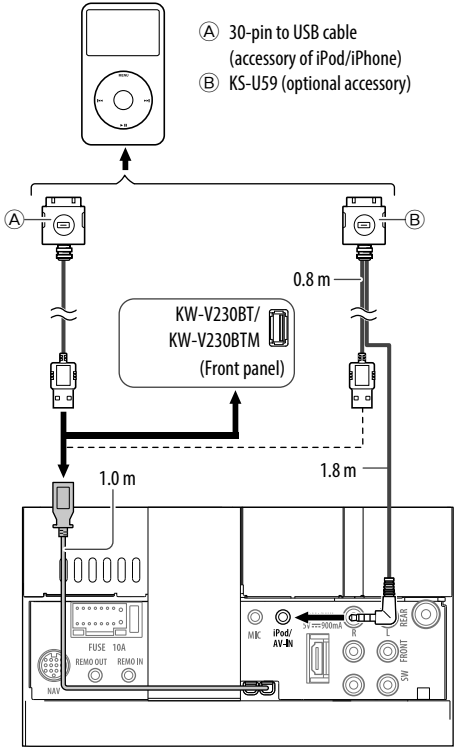


❑ Connecting iPod/iPhone

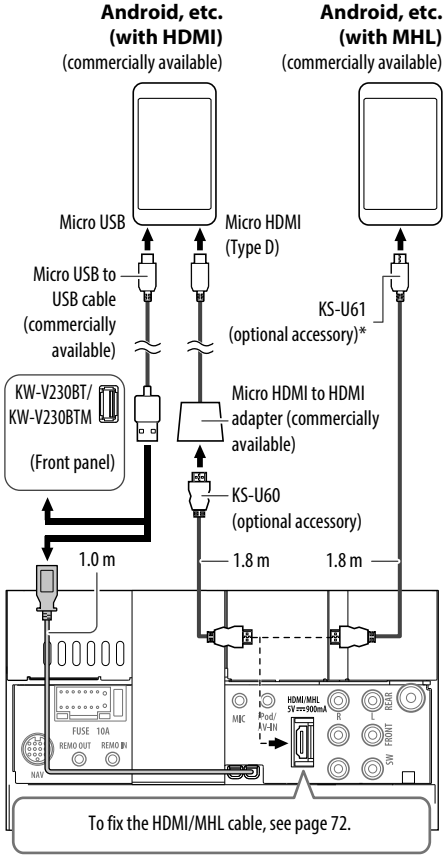
iPod/iPhone (Lightning connector models)
(commercially available)



iPod/iPhone (30-pin connector models)
(commercially available)

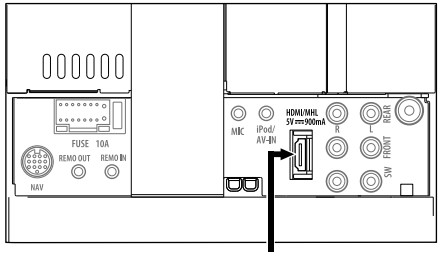


❑ Connecting a smartphone



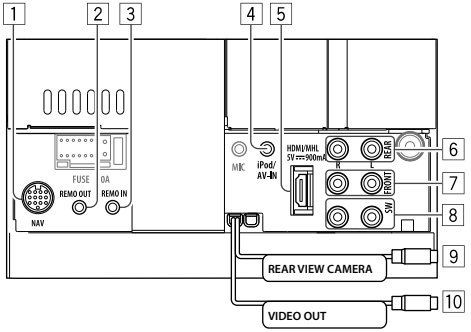
* Use a conversion adapter to connect to smartphones if necessary.

❑ Connecting the Wireless Display Adapter to use smartphone/iPod/ iPhone over a wireless connection (only for KW-V630BT/KW-V630BTM)

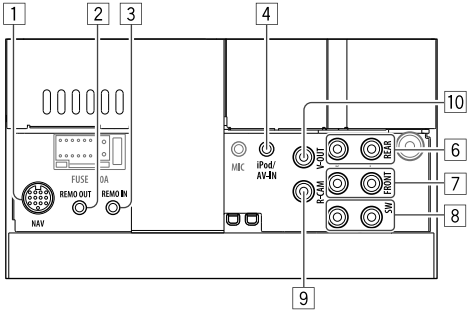


❑ Connecting external components

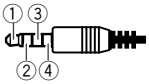
For KW-V630BT/KW-V630BTM



For KW-V230BT/KW-V230BTM/KW-V330BT/ KW-V330BTM/KW-V430BT/KW-V430BTM



1 NAV I/F input *1
2 3rd party TV terminal (REMO OUT) *2
3 Steering wheel remote controller input (REMO IN / REMO-IN)
   • Connect to the vehicle's steering remote harness using the Steering Remote cable (⑥). Contact your JVC dealer for details.
4 iPod/Audio Video input (iPod/AV-IN)*3
   Connect the following type of 4-pole mini plug:

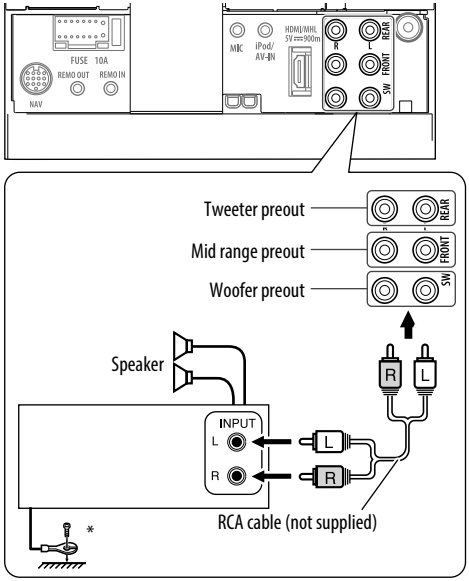


① Left audio
② Right audio
③ Ground
④ Composite video

5 HDMI/MHL input
6 Rear preout*4
   • Audio left output (White)
   • Audio right output (Red)
7 Front preout*4
   • Audio left output (White)
   • Audio right output (Red)
8 Subwoofer preout*4
   • Subwoofer left output (White)
   • Subwoofer right output (Red)
9 Rear view camera input (R-CAM)
10 Video output (VIDEO OUT or V-OUT)

*1 Only for KW-V230BT Region 3/KW-V230BTM/KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM/KW-V630BT/KW-V630BTM.
*2 Only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM.
*3 Only for KW-V430BT/KW-V430BTM/KW-V630BT/KW-V630BTM: When connecting the component to play on **"AV-IN"**, use the supplied RCA cable (⑩).
*4 When connecting an external amplifier, connect its ground wire to the chassis of the car; otherwise the unit may be damaged.

Connecting external amplifiers for 3 way speakers system

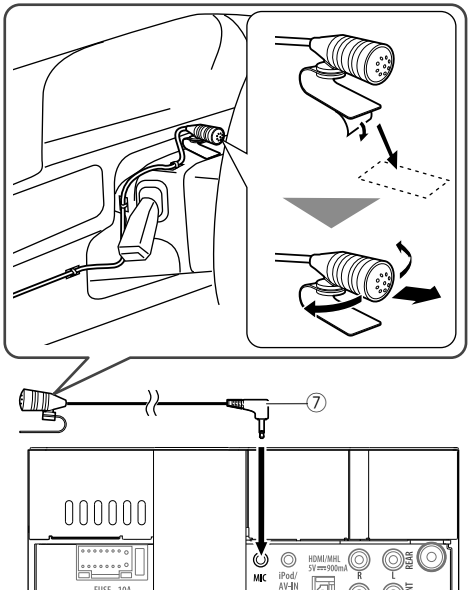


* When connecting to an external amplifier, connect its ground wire to the car's chassis.

❑ Connecting microphone for Bluetooth

Connect the microphone (⑦) to the MIC terminal.

• To install the microphone, peel off the adhesive tape, fix on the installation position, then adjust the direction of the microphone to face the driver. After installing, fix the microphone cable to the car with clamps (commercially available).



REFERENCES

Maintenance

❑ Caution on cleaning the unit

Do not use any solvent (for example, thinner, benzine, etc.), detergent, or insecticide. This may damage the monitor or the unit.

Recommended cleaning method:
Gently wipe the panel with a soft, dry cloth.

❑ Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

❑ How to handle discs

- When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.

  – Always hold the disc by the edges. Do not touch its recording surface.
- When storing a disc in its case, gently insert the disc around the center holder (with the printed surface facing up).
  – Make sure to store discs in their cases after use.

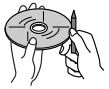
❑ To keep discs clean

Dirty discs may not play correctly.
If a disc does become dirty, wipe it with a soft cloth in a straight line from the center to the edge.

- Do not use any solvents (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

❑ To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.



- To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

More information

❑ File playback

Playing DivX files

- This unit can play back DivX files with the extension code <.divx>, <.div>, or <.avi> (regardless of the letter case—upper/lower).
- Audio streams should conform to MP3 or Dolby Digital.
- Files encoded in the interlaced scanning mode may not be played back correctly.
- The maximum bit rate for video signals (average) is 8 Mbps.

Playing MPEG1/MPEG2 files

- This unit can play back MPEG1/MPEG2 files with the extension code <.mpg> or <.mpeg>.
- The stream format should conform to MPEG system/program stream.
  The file format should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/ MP@LL (Main Profile at Low Level).
- Audio streams should conform to MPEG1 Audio Layer-2 or Dolby Digital.

Playing JPEG files

- This unit can play back picture files with the extension code <.jpg> or <.jpeg>.
- This unit can play back files that are at 32 x 32 to 8 192 x 7 680 resolution.
  It may take time to display the file depending on its resolution.
- This unit can play back baseline JPEG files.
  Progressive JPEG files or lossless JPEG files cannot be played.

Continued on the next page...

Playing audio files (MP3/WMA/WAV/AAC/FLAC)

- This unit can play back files with the extension code:
  - For disc: <.mp3>, <.wma>, <.wav>, <.m4a>
  - For USB mass storage class device: <.mp3>, <.wma>, <.wav>, <.aac>, <m4a>, <.flac>
- This unit can play back files that meet the conditions below:
  - Bit rate:
    MP3: 8 kbps – 320 kbps
    WMA : For disc: 5 kbps – 320 kbps
    For USB : 32 kbps – 192 kbps
    AAC: 16 kbps – 320 kbps
  - Sampling frequency:
    MP3/WMA: 8 kHz – 48 kHz
    WAV: 44.1 kHz
    AAC: 32 kHz – 48 kHz
    FLAC: 8 kHz – 48 kHz
- This unit can show ID3 Tag Version 1.0/1.1/2.2/2.3/2.4 (for MP3).
- This unit can also show WMA/WAV/AAC/FLAC Tag.
- This unit can play back files recorded in VBR (variable bit rate).
- Files recorded in VBR have a discrepancy in elapsed time indication.
- This unit cannot play back the following files:
  - MP3 files encoded with MP3i and MP3 PRO format.
  - MP3 files encoded with Layer 1/2.
  - WMA files encoded with lossless, professional, and voice format.
  - WMA files which are not based upon Windows Media® Audio.
  - WMA/AAC files copy-protected with DRM.
  - AAC files copy-protected with FairPlay (except those stored on an iPod/iPhone).
  - Files which have data such as AIFF, ATRAC3, etc.
- This unit can display jacket pictures that meet the conditions below:
  - Picture size: 32 x 32 to 1 232 x 672 resolution
  - Data size: less than 500 KB
  - File type: JPEG

❑ Disc playback

Playable disc types

Disc type	Recording format, file type, etc.
DVD • DTS sound cannot be reproduced or emitted from this unit.	DVD Video*1
DVD Recordable/Rewritable (DVD-R/-RW*2, +R/+RW*3) • DVD Video: UDF bridge • DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC: ISO 9660 level 1, level 2, Romeo, Joliet	• DVD Video • DivX/MPEG1/MPEG2/JPEG • MP3/WMA/WAV/AAC (.m4a)
Dual Disc	DVD side
CD/VCD	• VCD (Video CD) • Audio CD/CD Text (CD-DA)
CD Recordable/Rewritable (CD-R/-RW) • ISO 9660 level 1, level 2, Romeo, Joliet	• VCD (Video CD) • CD-DA • DivX/MPEG1/MPEG2/JPEG • MP3/WMA/WAV/AAC (.m4a)

*1 DVD Region code: 2/3/4 (depending on the country and sales area)
If you insert a DVD Video disc of an incorrect Region Code, "Region Code Error" appears on the screen.

*2 DVD-R recorded in multi-border format are also playable (except for dual layer discs). DVD-RW dual layer discs are not playable.

*3 It is possible to play back finalized +R/+RW (Video format only) discs. "DVD" is selected as the disc type when a +R/+RW disc is loaded. +RW double layer discs are not playable.

Unplayable discs

- Unplayable disc types and formats are as follows:
  - DVD-Audio/DVD-ROM discs
  - MPEG4/AAC (.aac)/FLAC/MKV/DVD–VR/DVD+VR/DVD-RAM recorded on DVD-R/RW or +R/+RW
  - SVCD (Super Video CD), CD-ROM, CD-I (CD-I Ready), DTS-CD
  - MPEG4/AAC (.aac)/FLAC/MKV recorded on CD-R/RW
- Discs that are not round.
- Discs with coloring on the recording surface or discs that are dirty.
- Recordable/Rewritable discs that have not been finalized.
- 8 cm discs. Attempting to insert these discs using an adapter may cause a malfunction.

DualDisc playback

The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of the Non-DVD side of a DualDisc on this product cannot be recommended.

Playing Recordable/Rewritable discs

- This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
- Use only "finalized" discs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some discs or files may not be played back due to their characteristics or recording conditions.

❑ About data stored in the connected USB device/iPod/iPhone/Android

- We bear no responsibility for any loss of data in iPod/iPhone, Android, and USB mass storage class devices while using this unit.

❑ USB playback

Playable files on a USB device

- This unit can play the following types of files stored in a USB mass storage class device.
  - JPEG/Divx/MPEG1/MPEG2/MP3/WMA/WAV/AAC (.aac/.m4a)/FLAC
- This unit can recognize:
  - A total of 5 000 files
  - 250 folders for video files and a maximum of 999 files per folder
  - 250 folders for photo files and a maximum of 999 files per folder
  - 999 folders for audio files and a maximum of 999 files per folder
- Make sure all important data has been backed up to avoid losing the data.

Notes on using a USB device:

- This unit may not play back files in a USB device properly when using a USB extension cable.
- USB devices equipped with special functions such as data security functions cannot be used with the unit.
- Do not use a USB device with 2 or more partitions.
- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- This unit may not recognize a memory card inserted into a USB card reader.
- When connecting with a USB cable, use a USB 2.0 cable.
- The maximum number of characters (when the characters are 1 byte):
  - Folder names: 50 characters
  - File names: 50 characters
- Avoid using the USB device if it might affect driving safety.
- Do not pull out and connect the USB device repeatedly while "Reading" is shown on the screen.
- Electrostatic shock at connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device then reset this unit and the USB device.
- Operation and power supply may not work as intended for some USB devices.
- Do not leave a USB device in the car, or expose to direct sunlight or high temperatures to prevent deformation or damage to the device.

❑ Notes on playing iPod/iPhone

- iPod/iPhone that can be connected to this unit:
  Via the USB terminal:
  Made for
  - iPod nano (7th Generation)*1
  - iPod touch (6th Generation)*1
  - iPod touch (5th Generation)*1
  - iPhone SE*1
  - iPhone 6S Plus*1
  - iPhone 6S*1
  - iPhone 6 Plus*1
  - iPhone 6*1
  - iPhone 5S*1
  - iPhone 5C*1
  - iPhone 5*1
  - iPhone 4S

  Via Bluetooth*2:
  Made for
  - iPod touch (6th Generation)
  - iPod touch (5th Generation)
  - iPhone SE
  - iPhone 6S Plus
  - iPhone 6S
  - iPhone 6 Plus
  - iPhone 6
  - iPhone 5S
  - iPhone 5C
  - iPhone 5
  - iPhone 4S

*1 For Lightning connector models connected to KW-V230BT/KW-V230BTM/KW-V330BT/KW-V330BTM: You cannot watch the video.

*2 Lightning connector models connected to KW-V230BT/KW-V230BTM/KW-V330BT/KW-V330BTM and 30-pin models: You cannot watch the video with Bluetooth connection.

Continued on the next page...

- When operating an iPod/iPhone, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site: <http://www.jvc.net/cs/car/>
- For some iPod/iPhone models, the performance may be abnormal or unstable during operation. In this case, disconnect the iPod/iPhone device, then check its condition.
  If the performance is not improved or slow, reset your iPod/iPhone.
- When you turn on this unit, the iPod/iPhone is charged through the unit.
- The text information may not be displayed correctly.

❑ Language codes (for DVD language selection)

AA	Afar	GL	Galician	MI	Maori	SO	Somali
AB	Abkhazian	GN	Guarani	MK	Macedonian	SQ	Albanian
AF	Afrikaans	GU	Gujarati	ML	Malayalam	SR	Serbian
AM	Ameharic	HA	Hausa	MN	Mongolian	SS	Siswati
AR	Arabic	HI	Hindi	MO	Moldavian	ST	Sesotho
AS	Assamese	HR	Croatian	MR	Marathi	SU	Sundanese
AY	Aymara	HU	Hungarian	MS	Malay (MAY)	SW	Swahili
AZ	Azerbaijani	HY	Armenian	MT	Maltese	TA	Tamil
BA	Bashkir	IA	Interlingua	MY	Burmese	TE	Telugu
BE	Byelorussian	IE	Interlingue	NA	Nauru	TG	Tajik
BG	Bulgarian	IK	Inupiak	NE	Nepali	TH	Thai
BH	Bihari	IN	Indonesian	NO	Norwegian	TI	Tigrinya
BI	Bislama	IS	Icelandic	OC	Occitan	TK	Turkmen
BN	Bengali, Bangla	IW	Hebrew	OM	(Afan) Oromo	TL	Tagalog
BO	Tibetan	JA	Japanese	OR	Oriya	TN	Setswana
BR	Breton	JI	Yiddish	PA	Panjabi	TO	Tonga
CA	Catalan	JW	Javanese	PL	Polish	TR	Turkish
CO	Corsican	KA	Georgian	PS	Pashto, Pushto	TS	Tsonga
CS	Czech	KK	Kazakh	QU	Quechua	TT	Tatar
CY	Welsh	KL	Greenlandic	RM	Rhaeto-Romance	TW	Twi
DZ	Bhutani	KM	Cambodian	RN	Kirundi	UK	Ukrainian
EL	Greek	KN	Kannada	RO	Rumanian	UR	Urdu
EO	Esperanto	KO	Korean (KOR)	RW	Kinyarwanda	UZ	Uzbek
ET	Estonian	KS	Kashmiri	SA	Sanskrit	VI	Vietnamese
EU	Basque	KU	Kurdish	SD	Sindhi	VO	Volapuk
FA	Persian	KY	Kirghiz	SG	Sangho	WO	Wolof
FI	Finnish	LA	Latin	SH	Serbo-Croatian	XH	Xhosa
FJ	Fiji	LN	Lingala	SI	Singhalese	YO	Yoruba
FO	Faroese	LO	Laothian	SK	Slovak	ZU	Zulu
FY	Frisian	LT	Lithuanian	SL	Slovenian		
GA	Irish	LV	Latvian, Lettish	SM	Samoan		
GD	Scots Gaelic	MG	Malagasy	SN	Shona		

Error message list

If an error occurs while using the unit, a message appears. Take appropriate action according to the following message/remedy/cause list.

"No Signal"/"No Video Signal":
- Start playback on the external component connected to the iPod/AV-IN input terminal.
- Check the cords and connections.
- Signal input is too weak.

"Miswiring DC Offset Error"/"Warning DC Offset Error":
- A speaker cord has shorted or it has come into contact with the car chassis. Wire or insulate the speaker cord as appropriate, then reset the unit. (Pages 3 and 70)

"Parking off":
- No playback picture is shown when the parking brake is not engaged.

"Authorization Error":
- Check whether the connected iPod/iPhone is compatible with this unit. (Page 77)

"USB Device Error":
- The USB power voltage is abnormal.
- Turn off and turn on the unit.
- Connect another USB device.

"No Navigation":
- No navigation unit is connected.

"Connection Error":
- The device is registered but the connection has failed. Connect the registered device. (Page 45)

"Please Wait...":
- The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again (or reset the unit).

"No Voice Device":
- The connected mobile phone does not have a voice recognition system.

"No Data":
- No phone book data is contained in the connected Bluetooth phone.

"Initialize Error":
- The unit has failed to initialize the Bluetooth module. Try the operation again.

"Dial Error":
- Dialing has failed. Try the operation again.

"Hung Up Error":
- The call has not ended yet. Park your car, and use the connected mobile phone to end the call.

"Pick Up Error":
- The unit has failed to receive a call.

"Please update Pandora App":
- The Pandora application on your iPod touch/iPhone/Android is not the latest version. Update the application.

"Please check device.":
- The Pandora application on your iPod touch/iPhone/Android is not started up.
- The Pandora application is not installed on the connected device.
- An error has occurred on the Pandora application.

"Login Error":
- You have not been signed into Pandora.

"No skips remaining":
- No more songs can be skipped.

"Failed to save your thumb rating":
- Thumb-up/down is prohibited.

"No Station":
- No station is available.

"No Active Station":
- No station is being played.

"Station limit reached":
- The Station List is full and no more stations can be registered.

"Failed to save your bookmark":
- The unit has failed to save a bookmark. Try the operation again.

"Limited Connectivity":
- The connection with the Pandora application cannot be established.

Continued on the next page...

"Pandora not available":
- You cannot use the Pandora application from the area where you are currently trying to access Pandora.

"Try again later":
- The Pandora server is under maintenance.

"Station does not exist":
- The selected station has been deleted by another device or has expired.

"Cannot create a Station":
- You cannot create a station during the read-only mode or when network connection is not established.

Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.
- For operations with the external components, refer also to the instructions supplied with the adapters used for the connections (as well as the instructions supplied with the external components).

❑ General

No sound comes out of the speakers.
- Adjust the volume to the optimum level.
- Check the cords and connections.

No picture is displayed on the screen.
- Turn on the screen. (Page 7)

The unit does not work at all.
- Reset the unit. (Page 3)

The remote controller* does not work.
- Replace the battery.

* For KW-V230BT Region 4/KW-V330BT Region 4/KW-V430BT Region 4: Purchase RM-RK258 separately.

❑ Discs

Recordable/Rewritable discs cannot be played back.
- Insert a finalized disc.
- Finalize the discs with the component which you used for recording.

Tracks on the Recordable/Rewritable discs cannot be skipped.
- Insert a finalized disc.
- Finalize the discs with the component which you used for recording.

Playback does not start.
- The format of files is not supported by the unit.

No picture appears on the external monitor.
- Connect the video cord correctly.
- Select the correct input on the external monitor.

DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC discs cannot be played back.
- Record the tracks using a compatible application on the appropriate discs. (Page 76)
- Add appropriate extension codes to the file names.

Tracks on the Recordable/Rewritable discs are not played back as you have intended them to play.
- Playback order may differ from the one played back using other players.

❑ USB

"Reading" does not disappear from the screen.
- Turn the power off and on again.

While playing a track, sound is sometimes interrupted.
- The tracks are not properly copied into the USB device. Copy the tracks again, and try again.

Tracks are not played back as you have intended them to play.
- Playback order may differ from the one played back using other players.

❑ Android

Sound cannot be heard during playback.
- Reconnect the Android device.
- When **<Android Setup>** is set to **[AUDIO MODE]**, launch any media player application on the Android device and start playback.

Sound output only from the Android device.
- When **<Android Setup>** is set to **[AUDIO MODE]**, relaunch the current media player application or use another media player application.
- Restart the Android device.
- If this does not solve the problem, the connected Android device is unable to route the audio signal to unit.

Cannot playback when <Android Setup> is set to [AUTO MODE].
- Make sure JVC Music Play APP is installed on the Android device.
- Reconnect the Android device and select the appropriate control mode.
- If this does not solve the problem, the connected Android device does not support the Auto Mode.

"NO DEVICE" or "READING" keeps flashing.
- Switch off the developer options on the Android device.
- Reconnect the Android device.
- If this does not solve the problem, the connected Android device does not support the Auto Mode.

❑ iPod/iPhone

No sound comes out of the speakers.
- Disconnect the iPod/iPhone, then connect it again.
- Select another source, then reselect **"iPod"**.

The iPod/iPhone does not turn on or does not work.
- Check the connecting cable and its connection.
- Update the firmware version.
- Charge the battery.
- Reset the iPod/iPhone.

Sound is distorted.
- Deactivate the equalizer either on this unit or the iPod/iPhone.

A lot of noise is generated.
- Turn off (uncheck) "VoiceOver" on the iPod/iPhone. For details, visit <http://www.apple.com>.

No operations are available when playing back a track containing artwork.
- Operate the unit after the artwork has loaded.

Videos cannot be played.
- Connect with USB Audio and Video cable KS-U59 (optional accessory) to iPod/iPhone 30-pin connector model. Other cables cannot be used.
- Select **[USB + AV-IN]** for **<iPod Setup>**. (Page 23)

No sound of videos comes out.
- Connect with USB Audio and Video cable KS-U59 (optional accessory) to iPod/iPhone 30-pin connector model. Other cables cannot be used.
- Select **[USB + AV-IN]** for **<iPod Setup>**. (Page 23)

❑ Tuner

SSM automatic presetting does not work.
- Store stations manually. (Page 35)

Static noise while listening to the radio.
- Connect the antenna firmly.

❑ AV-IN

"AV-IN" cannot be selected on the Home screen.
- Select connection method other than **[USB + AV-IN]** for **<iPod Setup>**. (Page 23)

No picture appears on the screen.
- Turn on the video component if it is not on.
- Connect the video component correctly.

❑ Pandora*/Spotify

The application does not work.
- The application on your iPod touch/iPhone/Android is not the latest version. Update the application.

* Only for KW-V230BT Region 4/KW-V330BT Region 4/KW-V430BT Region 4.

❑ Bluetooth

Phone sound quality is poor.

- Reduce the distance between the unit and the Bluetooth mobile phone.
- Move the car to a place where you can get a better signal reception.

The sound is interrupted or skipped while using a Bluetooth audio player.

- Reduce the distance between the unit and the Bluetooth audio player.
- Disconnect the device connected for Bluetooth phone.
- Turn off, then turn on the unit. (When the sound is not yet restored) connect the player again.

The connected audio player cannot be controlled.

- Check whether the connected audio player supports AVRCP (Audio Video Remote Control Profile).

The Bluetooth device does not detect the unit.

- Search from the Bluetooth device again.

The unit does not pair with the Bluetooth device.

- For devices compatible with Bluetooth 2.1: Register the device using a PIN code. (Page 44)
- For devices compatible with Bluetooth 2.0: Enter the same PIN code for both the unit and target device. If the PIN code of the device is not indicated in its instructions, try "0000" or "1234."
- Turn off, then turn on the Bluetooth device.

Echo or noise occurs.

- Adjust the microphone unit position.
- Adjust the echo volume or noise reduction volume. (Page 46)

The unit does not respond when you try to copy the phone book to the unit.

- You may have tried to copy the same entries (as stored) to the unit.

Specifications

❑ Monitor section

Picture Size (W x H)	
KW-V230BT/KW-V230BTM/KW-V330BT/ KW-V330BTM:	6.2 inches (diagonal) wide 137.5 mm × 77.2 mm
KW-V430BT/KW-V430BTM/KW-V630BT/ KW-V630BTM:	6.75 inches (diagonal) wide 151.8 mm × 79.68 mm
Display System	Transparent TN LCD panel
Drive System	TFT active matrix system
Number of Pixels	1 152 000 (800H × 480V × RGB)
Effective Pixels	99.99%
Pixel Arrangement	RGB striped arrangement
Back Lighting	LED

❑ DVD player section

D/A Converter	24 bit
Audio Decoder	Linear PCM/Dolby Digital/MP3/ WMA/WAV/AAC (.m4a)
Video Decoder	DivX/MPEG1/MPEG2/JPEG
Wow & Flutter	Below Measurable Limit
Frequency Response	
96 kHz Sampling:	20 Hz to 22 000 Hz
48 kHz Sampling:	20 Hz to 22 000 Hz
44.1 kHz Sampling:	20 Hz to 20 000 Hz
Total Harmonic Distortion	0.010% (1 kHz)
Signal to Noise Ratio	99 dB (DVD-Video 96 kHz)
Dynamic Range	99 dB (DVD-Video 96 kHz)
Disc Format	DVD-Video/VIDEO-CD/CD-DA
Sampling Frequency	44.1 kHz/48 kHz/96 kHz
Quantifying Bit Number	16/20/24 bit

❑ USB interface section

USB Standard	USB 2.0 Full Speed/High Speed
Compatible Device	Mass Storage Class
File System	FAT 16/32
Maximum Power Supply Current	DC 5 V ⎓ 1.5 A
D/A Converter	24 bit
Audio Decoder	MP3/WMA/AAC (.aac/.m4a)/ WAV/FLAC
Video Decoder	DivX/MPEG1/MPEG2/JPEG

❑ HDMI interface section (only for KW-V630BT/KW-V630BTM)

Connector Type	TYPE-A
Input Resolution	VGA (640 × 480p@59.94 Hz/ 60 Hz), 480p (720 × 480p @59.94 Hz/60 Hz)
Input Audio Type	32 kHz, 44.1 kHz, 48 kHz, 16-bit Linear PCM

❑ MHL interface section (only for KW-V630BT/KW-V630BTM)

Supported Version	MHL2
Input Resolution	VGA (640 × 480p@59.94 Hz/ 60 Hz), 480p (720 × 480p @59.94 Hz/60 Hz)
Input Audio Type	32 kHz, 44.1 kHz, 48 kHz, 16-bit Linear PCM
Maximum Power Supply Current	DC 5 V ⎓ 900 mA

❑ Bluetooth section

Technology	Bluetooth 3.0
Frequency	2.402 GHz to 2.480 GHz
Output Power	+4 dBm (MAX), 0 dBm (AVE), Power Class 2
Maximum Communication Range	Line of sight approx. 10 m
Audio Codec	SBC/AAC
Profile	HFP (Hands Free Profile) 1.6 A2DP (Advanced Audio Distribution Profile) 1.3 AVRCP (Audio/Video Remote Control Profile) 1.5 GAP (Generic Access Profile) PBAP (PhoneBook Access Profile) 1.2 SDP (Service Discovery Profile) SPP (Serial Port Profile) 1.2

❑ DSP section

Equalizer	13 Band
Band	
Frequency (Hz) (BAND1-13):	62.5/100/160/250/400/630/1k/ 1.6k/2.5k/4k/6.3k/10k/16k
Level:	–09 to +09 (–9 dB to +9 dB)
Q:	1.35/1.5/2.0
HPF (High Pass Filter)	
Frequency (Hz):	Through/30/40/50/60/70/80/90/ 100/120/150/180/220/250
Slope:	–6/–12/–18/–24 dB/Oct.
Gain:	–8/–7/–6/–5/–4/–3/–2/–1/0 dB
LPF (Low Pass Filter)	
Frequency (Hz):	30/40/50/60/70/80/90/ 100/120/150/180/220/250/ Through
Slope:	–6/–12/–18/–24 dB/Oct.
Gain:	–8/–7/–6/–5/–4/–3/–2/–1/0 dB

REFERENCES

❑ FM tuner section

Frequency Range (50 kHz)
87.5 MHz to 108.0 MHz

Usable Sensitivity (S/N: 30 dB, 22.5 kHz)
6.2 dBf (0.56 µV/75 Ω)

Quieting Sensitivity (S/N: 46 dB, 22.5 kHz)
15.2 dBf (1.58 µV/75 Ω)

Frequency Response (±3.0 dB)
30 Hz to 15 kHz

Signal to Noise Ratio
68 dB (MONO)

Selectivity (±400 kHz)
≥ 80 dB

Stereo Separation 40 dB (1 kHz)

❑ AM tuner section

Frequency Range (9 kHz)
KW-V230BT Region 3/KW-V330BT Region 3/
KW-V430BT Region 3/KW-V630BT:
531 kHz to 1 611 kHz
KW-V230BT Region 4/KW-V330BT Region 4/
KW-V430BT Region 4:
531 kHz to 1 701 kHz
KW-V230BTM/KW-V330BTM/KW-V430BTM/
KW-V630BTM: 531 kHz to 1 602 kHz

Usable Sensitivity 28.5 dBµ

❑ Video section

Color System of External Video Input
NTSC/PAL

External Video Input Level (RCA/mini jack)
1 Vp-p/75 Ω

Video Output Level (RCA jack)
1 Vp-p/75 Ω

Analog RGB Input 0.7 Vp-p/75 Ω*

* Only for KW-V230BT Region 3/KW-V230BTM/KW-V330BT Region 3/KW-V330BTM/KW-V430BT Region 3/KW-V430BTM/KW-V630BT/KW-V630BTM.

❑ Audio section

Maximum Power (Front & Rear)
50 W × 4

Full Bandwidth Power (Front & Rear)
22 W × 4 (at less than 1%THD)

Preout Level 4 V/10 kΩ

Preout Impedance ≤ 600 Ω

Speaker Impedance
4 Ω to 8 Ω

❑ General

Operating Voltage
14.4 V (10.5 V to 16 V allowable)

Maximum Current Consumption
10 A

Installation Dimensions (W × H × D)
178 mm × 100 mm × 162 mm

Operational Temperature Range
–10°C to +60°C

Weight 1.7 kg

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